Important Contact Information

Inquiries concerning admission to the university, except the Graduate School should be addressed to:

OFFICE OF ADMISSIONS
ACU Box 29000; Abilene, Texas 79699-9000
Hunter Welcome Center, Suite 140
Phone: 325-674-2650
800-460-6228
Fax: 325-674-2130
Email: info@admissions.acu.edu
Web: acu.edu/admissions

Inquiries concerning admission to the Graduate School should be addressed to:

OFFICE OF GRADUATE ADMISSIONS
ACU Box 29140; Abilene, Texas 79699-9140
Brown Library, Room 332
Phone: 325-674-6911
855-822-3267
Fax: 325-674-6717
Email: gradinfo@acu.edu
Web: acu.edu/grad

Inquiries concerning account balance, payments, refunds, financial aid, student accounts, billing; or to apply for graduation, change your major, contact your financial aid advisor, sign loan checks, update your address, request name change, buy Bean Bucks or Campus Cash, ID cards, and parking permits should be addressed to:

THE DEPOT
ACU Box 27940; Abilene, Texas 79699-7940
McGlothlin Campus Center, Room 222
Phone: 325-674-2300
888-588-6083
Fax: 325-674-6850
Email: depot@acu.edu
Web: acu.edu/depot

Inquiries concerning transcripts, academic records, veterans benefits and enrollment verification should be addressed to:

OFFICE OF THE REGISTRAR
ACU Box 29141; Abilene, Texas 79699-9141
Hardin Administration Building, Room 207
Phone: 325-674-2300
888-588-6083
Fax: 325-674-2238
Email: registrar@acu.edu
Web: acu.edu/registrar
Ordering a transcript: acu.edu/tran

Inquiries concerning residence halls or available housing should be addressed to:

OFFICE OF RESIDENCE LIFE
EDUCATION AND HOUSING
ACU Box 29004; Abilene, Texas 79699-9004
McGlothlin Campus Center, Room 43
Phone: 325-674-2066
Fax: 325-674-6475
Email: reslife@acu.edu
Web: acu.edu/reslife

Inquiries concerning health records and immunizations should be addressed to:

MEDICAL CLINIC
ACU Box 28154; Abilene, Texas 79699-8154
849 Coliseum Way
Phone: 325-674-2625
Fax: 325-674-6998
Email: medical@acu.edu
Web: acu.edu/medical

Inquiries concerning:

FINAL EXAM SCHEDULE
Web: acu.edu/fina

Directory assistance for other offices is available through the ACU Operator: 325-674-2000.

This catalog contains information about undergraduate and graduate programs and is intended to be a description of the policies, academic programs, degree requirements, and course offerings in effect for the 2015-2016 academic year. The university has endeavored to make it as accurate as possible at the press deadline. It should not be construed as an irrevocable contract between the student and the university. Abilene Christian University reserves the right to change any of the policies, procedures or fees described in this catalog and to apply these changes to any or all of its students as it finds necessary. The university may also choose to add or delete course offerings, degree programs, or other programs at any time.
From the President

Welcome to Abilene Christian University!

We’re glad you’re planning to join us for the 2015-16 school year. Our campus is full of students who are discovering what it means to receive an education in a vibrant, innovative, Christ-centered community. Our mission is to educate students for Christian service and leadership throughout the world, and our faculty and staff have promised to make ACU a place where that transformation takes place.

ACU’s exceptional faculty and staff members challenge and mentor their students, equipping them to make a real difference in the world – in their homes, churches and communities. We believe true learning happens where the classroom and the world meet, so we offer numerous opportunities for hands-on learning in and out of the classroom, both on campus and in other locations around the globe. We’ve created an atmosphere where you will experience authentic spiritual and intellectual growth. At ACU we endeavor to blend an exceptional education with opportunities to stretch our students and challenge their faith.

As an ACU student, you will take ownership of your academic career, preparing yourself for life after college. ACU also offers numerous opportunities for you to grow spiritually and socially through participation with more than 100 campus organizations and many other venues for service. We are working to fulfill our 21st-Century Vision of becoming the premier institution for the education of Christ-centered global leaders, and we welcome you as a part of that group.

U.S. News and World Report consistently ranks ACU both a “Best College” and a “Best College Buy” in its annual ranking of colleges and universities. Our hands-on approach to learning, state-of-the-art technology and Christian focus combine to offer you a distinct learning experience.

This catalog explains our undergraduate and graduate academic programs, requirements for admission and the various support services available on campus. Please call one of our toll-free numbers if you have additional questions. Our Admissions team is ready to help you enroll, and the provost’s staff and Graduate School staff are excited to assist you in planning and accomplishing your academic goals.

Phil Schubert, Ed.D.
President

From the Provost

Welcome to Abilene Christian University! This is a special place that is designed to prepare you both intellectually and spiritually for the unique plan that God has for your life. Combining cutting edge instruction and facilities with more than a century of tradition and history, ACU offers nationally recognized academic programs within a supportive, Christ-centered community. We believe that you are here for a specific purpose and promise to provide you with a vibrant and innovative educational experience that equips you to make a real difference in the world.

Students who are attracted to ACU are usually highly involved – in their churches, in their community, and with their families. We invite you to bring this same energy and sense of involvement to your experiences both on and off campus. In fact, we feel that you learn best when you are able to work side-by-side with our talented faculty and staff as they engage you in learning through research, internships, study abroad experiences, service learning opportunities, team projects, and learning communities. You will spend plenty of time in the classroom, but you will also bring your newly acquired knowledge to life as you apply it in the real world among real people.

ACU’s academic reputation and national rankings have continued to increase year after year. This hard-earned recognition is a testimony to the sacrificial commitment of generations of faculty and staff and the thoughtful integration of faith and learning offered to students. ACU takes seriously its charge to be a leading university for the education of Christ-centered global leaders and we continually seek the physical and technological resources necessary to enhance the value of your experience as a student. We know, however, that the greatest resource we have to offer is the life-long relationships you develop and mentoring you receive from the godly women and men who work here. I encourage you to fully invest in these relationships – you will be amazed at how much you will benefit personally and professionally.

I pray that your experience here is everything that you have hoped for and more than you expected, that you are challenged and stretched, that you broaden your understanding of the world and your place in it as a child of God, and that you leave here ready to bless others by what you have gained during your time with us. Go Wildcats!

Dr. Robert Rhodes, Ph.D.
Provost
Abilene Christian University Calendar

For a more complete academic calendar, visit the Registrar’s web page at www.acu.edu/registrar and click on the “Academic Calendar” link. For a calendar of upcoming ACU events, go to www.acu.edu/events.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Summer Session II begins</td>
<td>8</td>
<td>Last day to withdraw from a course</td>
</tr>
<tr>
<td>15</td>
<td>Last day to withdraw from a Summer Session II class</td>
<td>29</td>
<td>Last day of class</td>
</tr>
<tr>
<td>15-16</td>
<td>New Student Orientation I</td>
<td></td>
<td>Last day to withdraw from the university</td>
</tr>
<tr>
<td>18</td>
<td>Summer Session II ends</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Summer Session III begins</td>
<td></td>
<td></td>
</tr>
<tr>
<td>29-30</td>
<td>New Student Orientation II</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>July 2015</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Independence Day Holiday (no classes)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Last day to withdraw from a Summer Session III class</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Summer Session III ends</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Summer Session IV begins</td>
<td></td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>Last day to withdraw from a Summer Session IV class</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Summer Session IV ends</td>
<td></td>
<td></td>
</tr>
<tr>
<td>August 2015</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Commencement, 7:30 p.m., Moody Coliseum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Residence Halls open for Wildcat Week leaders</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17-18</td>
<td>New Student Orientation III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Residence Halls open for freshmen and transfers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18-22</td>
<td>Wildcat Week (Tuesday-Saturday)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Residence Halls open for returning students</td>
<td></td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>First day of class</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Official Opening Ceremony, 11 a.m., Moody Coliseum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>September 2015</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Labor Day (offices open/classes in session)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Last day to request Credit/No-Credit or Pass/Fail</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18-20</td>
<td>Family Weekend</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20-23</td>
<td>Summit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>October 2015</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Homecoming</td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Fall Break (no classes)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>November 2015</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Last day to withdraw from a course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25-27</td>
<td>Thanksgiving Holidays (no classes)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>December 2015</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Last day of class</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Last day to withdraw from the university</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Dead Day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8-11</td>
<td>Final Exams (Tuesday-Friday)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Commencement, 7:30 p.m., Moody Coliseum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Residence Halls close, noon</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Christmas Holidays begin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Grades available online</td>
<td></td>
<td></td>
</tr>
<tr>
<td>January 2016</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-8</td>
<td>January Intensive Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Online Residency</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8-9</td>
<td>Wildcat Weekend</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Residence Halls open for all students</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>First day of class</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Martin Luther King Holiday (no classes)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Last day to request Credit/No-Credit or Pass/Fail</td>
<td></td>
<td></td>
</tr>
<tr>
<td>February 2016</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>School of Nursing applications due</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19-20</td>
<td>Sing Song</td>
<td></td>
<td></td>
</tr>
<tr>
<td>March 2016</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14-18</td>
<td>Spring Break (no classes)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Good Friday (no classes)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>31</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ACU PROFILE

- **The university**: A selective, four-year, private, Christian university. ACU includes the colleges of Arts and Sciences, Biblical Studies, Business Administration, Education and Human Services, the Graduate School, the Graduate School of Theology, the School of Information Technology and Computing, the School of Social Work, and the School of Nursing. It is affiliated with the Churches of Christ and is one of the largest private universities in the Southwest.

- **Academic programs**: Students may choose from 71 baccalaureate majors that include more than 125 areas of study, 27 master’s degree programs and two doctoral programs.

- **Accreditation**: Abilene Christian University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, masters and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, GA. 30033-4097 or call 404-679-4500 for questions about ACU’s accreditation.

- **Students**: ACU enrolls about 4,400 students, including more than 3,650 undergraduates and 750 graduate students, generally from 47 states and territories and 43 nations.

- **Location**: ACU is in Abilene, Texas; an award-winning city of 117,000 people 150 miles west of the Dallas/Fort Worth area.

- **Faculty**: 247 full-time faculty members with 91 percent of tenure-track faculty holding terminal degrees. The student-to-faculty ratio is 15:1.

- **Financial aid**: This school year, ACU students will receive more than $80 million in financial aid. This fall, the average freshman received a financial aid package (grants, scholarships, loans and work-study) of more than $21,960.

- **Annual cost**: $29,450* for tuition and general fees (up to 36 hours per year in ACU’s annual block tuition plan), plus approximately $8,610 for room and board and $1,250 for textbooks and supplies.

- **Graduate success**: More than 80 percent of ACU students who apply for admission to medical and dental schools are accepted, a rate double the national average. More than 90 percent of students who apply to law school are accepted.

- **International study**: ACU’s Study Abroad programs take students to study in places such as Europe, Asia, Latin America and Africa. Nearly 25 percent of graduating seniors have studied abroad.

- **Campus technology**: ACU’s award-winning mobile-learning initiative helps ensure cutting-edge technology is part of each student’s education. The university’s AT&T Learning Studio and Learning Commons, both in the Brown Library, provide innovative spaces for students to collaborate and acquire skills to use the latest technology.

- **Student organizations**: There are about 100 campus organizations in which students can become involved, including social clubs; government; and service, honor and special-interest groups.

- **Wellness**: The $21 million Royce and Pam Money Student Recreation and Wellness Center is a focal point on campus. Designed to encourage wellness of the whole individual – body, mind and spirit – it includes the Weber Medical and Counseling Care Center and is the home of a dynamic intramural program with championship and recreational leagues for students of all interests and abilities.

- **Athletics**: NCAA Division I, Southland Conference (beginning fall 2013). Football, men’s and women’s basketball, baseball, men’s golf, men’s and women’s cross country, men’s and women’s track and field, women’s volleyball, men’s and women’s tennis, women’s softball, and women’s soccer. Only three NCAA Division I universities – UCLA, Stanford and USC – have won more national championships than the Wildcats.

*For 2015-16 school year.

### MAJOR UNDERGRADUATE AREAS OF STUDY

- **Agricultural and Environmental Science**: Agribusiness, Animal Science, Animal Health Professions Cooperative, Environmental Science
- **Art and Design**: Art, Graphic Design/Advertising, Interior Design, Architecture
- **Bible, Missions and Ministry**: Bible & Ministry, Ministry and Vocation
- **Biology**: Biology, Biology Teaching
- **Business Administration**: Accounting, Financial Management, Management, Marketing, Information Systems
- **Chemistry**: Biochemistry, Chemistry, Physical Science Teaching
- **Communication and Sociology**: Communication, Sociology
- **Communication Sciences and Disorders**: Communication Sciences and Disorders
- **Composite Interdisciplinary**: Composite Interdisciplinary
- **Education**: Early Childhood/Elementary Certification, Special Education with Early Childhood/Elementary, High School Certification (8-12), High School English Language Arts, High School English Special Education, Middle School Education with EC-6 and 4-8 Language Arts, Middle School Education with EC-6 and 4-8 Mathematics, Middle School Education with EC-6 and 4-8 Social Studies
- **Engineering and Physics**: Engineering, Physics, Physics and Mathematics Teaching
- **History and Global Studies**: Global Studies, History, History Teaching, Social Studies for Teachers
- **Information Technology and Computing**: Computer Science, Computer Science and Math Teacher Certification, Digital Entertainment Technology, Information Technology
- **Interdisciplinary Studies**: Health Professions Cooperative
- **Journalism and Mass Communication**: Advertising/Public Relations, Convergence Journalism, Convergence Journalism/Multimedia with Teacher Certification, Multimedia
- **Kinesiology**: Kinesiology, Nutrition
- **Language and Literature**: English, English Teaching, Spanish, Spanish Teaching
- **Marriage and Family Studies**: Child and Family Services
- **Mathematics**: Mathematics, Math Teaching
- **Music**: Music, Music for Teacher Certification, Piano, Vocal, Piano-All Level Teaching Certification, Vocal-All Level Teaching Certification
- **Nursing**: Nursing
- **Political Science**: Political Science, Policial Science-concentration in International Relations and Comparitive Politics, Political Science- Criminal Justice emphasis
- **Pre-Professional
- **Psychology**: Psychology
- **Social Work**: Social Work
- **Theatre**: Theatre

*Students interested in teacher certification should consult the Department of Teacher Education’s section of the ACU Catalog for information about available areas of certification.

** Students who wish to prepare for professional fields can receive special advising in the following pre-professional areas: Architecture, Chiropractic Medicine, Dentistry, Engineering, Law, Medicine, Medical Technology, Pharmacy, Physical Therapy, Physician’s Assistant, Occupational Therapy, Optometry, Podiatry, and Veterinary Medicine.
# Table of Contents

<table>
<thead>
<tr>
<th>Important Contact Information</th>
<th>inside front cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>President and Provost Letters</td>
<td>2</td>
</tr>
<tr>
<td>Calendar</td>
<td>3</td>
</tr>
<tr>
<td>ACU Profile</td>
<td>4</td>
</tr>
<tr>
<td>Major Undergraduate Areas of Study</td>
<td>4</td>
</tr>
<tr>
<td>About ACU</td>
<td>7</td>
</tr>
<tr>
<td>Mission</td>
<td>7</td>
</tr>
<tr>
<td>Chapel</td>
<td>7</td>
</tr>
<tr>
<td>Learning Covenant</td>
<td>8</td>
</tr>
<tr>
<td>Academic Accreditation</td>
<td>8</td>
</tr>
<tr>
<td>Legal Notices</td>
<td>9</td>
</tr>
<tr>
<td>Student Programs and Support</td>
<td>10</td>
</tr>
<tr>
<td>Resources and Services</td>
<td>10</td>
</tr>
<tr>
<td>Trio Services</td>
<td>11</td>
</tr>
<tr>
<td>Academic Development Center</td>
<td>11</td>
</tr>
<tr>
<td>Career Center</td>
<td>12</td>
</tr>
<tr>
<td>Library Resources</td>
<td>12</td>
</tr>
<tr>
<td>Writing Center</td>
<td>13</td>
</tr>
<tr>
<td>Speaking Center</td>
<td>13</td>
</tr>
<tr>
<td>Study Abroad</td>
<td>13</td>
</tr>
<tr>
<td>The Depot</td>
<td>13</td>
</tr>
<tr>
<td>Honors College</td>
<td>14</td>
</tr>
<tr>
<td>University Admission</td>
<td>15</td>
</tr>
<tr>
<td>Admission Categories</td>
<td>15</td>
</tr>
<tr>
<td>Freshman Admission</td>
<td>15</td>
</tr>
<tr>
<td>Additional Requirements after Admission</td>
<td>15</td>
</tr>
<tr>
<td>Transfer Admission</td>
<td>16</td>
</tr>
<tr>
<td>Readmission</td>
<td>17</td>
</tr>
<tr>
<td>Orientation to ACU</td>
<td>18</td>
</tr>
<tr>
<td>New Student Orientation, Registration, Wildcat Week</td>
<td>18</td>
</tr>
<tr>
<td>Testing</td>
<td>19</td>
</tr>
<tr>
<td>Learning Communities</td>
<td>19</td>
</tr>
<tr>
<td>Financial Information</td>
<td>20</td>
</tr>
<tr>
<td>Financial Aid</td>
<td>20</td>
</tr>
<tr>
<td>Student Loan Program</td>
<td>20</td>
</tr>
<tr>
<td>Payment Options</td>
<td>20</td>
</tr>
<tr>
<td>Meal Plans</td>
<td>21</td>
</tr>
<tr>
<td>Campus Cash</td>
<td>21</td>
</tr>
<tr>
<td>Annual Block Tuition</td>
<td>21</td>
</tr>
<tr>
<td>Add/Drop</td>
<td>21</td>
</tr>
<tr>
<td>Withdrawing from a Course</td>
<td>22</td>
</tr>
<tr>
<td>Tuition Refund Policy for Individual Courses</td>
<td>22</td>
</tr>
<tr>
<td>Withdrawing from the University</td>
<td>22</td>
</tr>
<tr>
<td>Endowed Scholarships</td>
<td>23</td>
</tr>
<tr>
<td>Academic Information</td>
<td>25</td>
</tr>
<tr>
<td>Definitions and Policies</td>
<td>25</td>
</tr>
<tr>
<td>Registration</td>
<td>27</td>
</tr>
<tr>
<td>Intercollegiate Enrollment</td>
<td>27</td>
</tr>
<tr>
<td>Grading</td>
<td>28</td>
</tr>
</tbody>
</table>

- Academic Standing ........................................ 29
- Degree Requirements ...................................... 30
- Minors at ACU ............................................... 32
- Undergraduate Graduation ................................. 32

## Student Life .................................................. 33
- Residence Life Education and Housing ................ 33
- Student Leadership Development ......................... 33
- Student Organizations and Activities .................. 33
- Multicultural Student Affairs ............................ 34
- Student Recreation and Wellness Center .............. 34
- Medical and Counseling Center .......................... 35
- Student Conduct Expectations ............................ 35

## Athletics ....................................................... 36

## Degrees and Requirements ................................ 37
- University Requirements for ACU Degrees ............ 37
- Degrees Offered ............................................. 37
- University Requirements for All Bachelor’s Degrees | 37

## College of Arts and Sciences ............................ 38

- (Undergraduate) .............................................. 39
- Agricultural and Environmental Sciences .......... 40
- Art and Design ............................................... 44
- Biology .......................................................... 49
- Chemistry and Biochemistry .............................. 53
- Communication and Sociology ........................... 57
- Engineering and Physics .................................. 60
- History and Global Studies ............................... 64
- Journalism and Mass Communication .................. 67
- Language and Literature .................................. 71
- Institute of Intensive English (IIE) ................. 75
- Mathematics ................................................... 76
- Music ............................................................. 79
- Political Science ............................................ 86
- Psychology ..................................................... 89
- Theatre .......................................................... 91

## College of Biblical Studies ............................... 93

- (Undergraduate) .............................................. 93
- Bible, Missions and Ministry ............................. 94
- Marriage and Family Studies .............................. 97

## College of Business Administration .................... 98

- (Undergraduate) .............................................. 98
- Accounting and Finance ................................... 99
- Management Sciences ..................................... 101

## School of Information Technology and Computing ... 103

- (Undergraduate) .............................................. 103

## College of Education and Human Services ............ 107

- (Undergraduate) .............................................. 107
- Communication Sciences and Disorders .............. 108
- Kinesiology and Nutrition ................................. 109
- School of Social Work ..................................... 113
- Teacher Education ......................................... 115

## School of Nursing  ........................................... 121

- (Undergraduate) .............................................. 121
About ACU

acu.edu • 325-674-2000
ACU Box 29000, Abilene, Texas 79699-9000

Our mission: To educate students for Christian service and leadership throughout the world.

Our promise: ACU is a vibrant, innovative, Christ-centered community that engages students in authentic spiritual and intellectual growth, equipping them to make a real difference in the world.

Abilene Christian University is the premier university for the education of Christ-centered, global leaders, offering an exceptional education to about 4,400 students annually from 47 states and territories, and 43 nations. This private, comprehensive university, founded in 1906 in Abilene, Texas, offers 71 baccalaureate majors in more than 125 areas of study, 25 master’s degree programs and two doctoral programs. Abilene is a friendly city of 117,000 people, located about 150 miles west of the Dallas/Fort Worth area. As an educational center for a large region, Abilene provides cultural, entertainment and support programs and services normally associated with much larger cities.

Established by members of the Churches of Christ, ACU maintains a strong relationship with these independently-governed congregations around the world. Since its founding, the university has welcomed all students of character and ability who value the university’s Christian environment. All ACU faculty and staff are Christians, and they help students understand how their Christian beliefs connect with their fields of study.

Academic excellence is important at ACU, and students are challenged to learn in the classroom and through their campus experiences. In addition to outstanding undergraduate programs, ACU’s Graduate School enrolls about 750 students. All students are encouraged to share their time and talents as Christian leaders and volunteers through various service-learning opportunities on the campus, in the community and in other countries. Graduates are in high demand by employers and graduate programs because they gain knowledge and experience in their majors, and they learn to apply Christian values to their everyday decisions.

ACU is a unique community of learners, dedicated to scholarship and committed to Christ. In every major, students gain a broad perspective on the world through the liberal arts core curriculum. The university also provides professional and pre-professional studies programs that have produced outstanding graduates in such fields as medicine, law, journalism, ministry, business, physics, nursing, graphic design, psychology, and education. One of our primary goals is to foster a lifelong love of learning in our graduates.

What Makes ACU Special?
ACU’s application of mobile technology to learning has been acclaimed by industry and higher education experts around the world as an example of forward-thinking institutions and organizations. Abilene Christian has been named an Apple Distinguished Program each of the past two years for integrating Apple technology in education and meeting best practices in visionary leadership, innovative learning and teaching, ongoing professional learning, compelling evidence of success, and a flexible learning environment. Three of the past five years, U.S. News & World Report has ranked ACU the No. 1 “Up and Coming” university in the West Region and Forbes ranks ACU in the top 10 percent of U.S. colleges and universities.

Because of ACU’s strong sense of mission and outstanding academic programs, we attract high-quality faculty members from around the world. They believe their Christian commitment requires them to excel in their fields of study and to focus on teaching and mentoring students. Experienced and talented professors teach freshmen and conduct research and hands-on learning projects with undergraduate students. Some of the best minds in the world choose to teach at ACU because they believe this university provides them the best opportunity to mold the next generation of leaders in various professions.

The staff and administrators also are Christians, and they focus on supporting the academic mission of the university. The university’s Board of Trustees and administrators believe strongly in comprehensive strategic planning and institutional research to ensure that ACU achieves its mission and its 21st-Century Vision goals. We are one team with one goal – to prepare our graduates to make a difference in the world as Christian scholars and professionals.

University Traditions
Traditions at this 108-year-old university are strong. The school colors are purple and white, and many people wear purple on Fridays to indicate their support for the Wildcats. Only three NCAA Division I universities - UCLA, Stanford, and USC - have won more NCAA national team championships than ACU. Students compete on 16 intercollegiate men’s and women’s teams.

Many academic programs also have winning traditions. For example, the student newspaper, The Optimist, has won All-American honors annually since 1975, and ACU debate teams have defeated teams from major national universities many times through the years.

Other traditions include the Opening Session and the Parade of Flags, candlelight devotions, the a cappella singing of “The Lord Bless You and Keep You,” the Big Purple Band, Wildcat Week for freshmen, and involvement in men’s and women’s social clubs. Students earn the right to order ACU’s class ring, which graduates wear as a symbol of achievement and honor.

Chapel
Chapel engages students, staff, and faculty in Christian community through worship and celebration. Though Chapel varies from day-to-day, the purpose remains the same: to worship God and to celebrate our lives in Jesus. Chapel occurs in Moody Coliseum as a combined community and also in smaller groups across campus. Chapel is required of all undergraduate students under the age of 25 as part of their ACU educational experience.

For more information contact Student Life and Student Ministries:
ACU Box 27867 • 325-674-2867 • chapel@acu.edu • acu.edu/chapel

Exceptional Educational Experience
As one of the nation’s largest universities with a serious Christian focus, ACU draws students from around the world. The university attracts a diverse, interesting student body – individuals who are well-prepared academically, strong in character and highly motivated. Students are encouraged to gain real-world experience in addition to their courses, and they earn internship positions with a variety of prestigious companies and organizations. The university offers a year-round education program. In addition to fall and spring semesters, some courses are offered in an intensive short-course format with assignments required before and after the class meetings.

ACU student teams and academic programs have won national honors and grants in writing, debate, print and broadcast journalism, integrated marketing communication, accounting, business marketing, communication, computer science, psychology, physics, and more. Their research projects win awards and are published in professional journals. Graduates are accepted into medical and dental schools at a rate almost twice the national average. The university’s Honors College challenges the brightest undergraduate students and gives them excellent preparation for the demands of graduate research.

The university offers programs and services that give undergraduate and graduate students the technology, information and academic support they need to live up to their highest potential.

Excellent Student Support
To ensure the quality of our students’ education, we provide enhanced library resources, fast Internet access anywhere on campus, personal tutoring, quality research labs, and much more. First-year students are given extra attention as they decide what to major in and what direction
to take their lives. An advisor will help each student choose classes and
determine how to be successful in many other areas of campus life.

International students, non-traditional students, transfer students, and
graduate students also receive special attention from various offices on
campus. We value each individual who attends ACU and want to
ensure each person’s success.

Global Learning
Around 25 percent of students who graduate from ACU have
participated in Study Abroad programs in Oxford, England; Leipzig,
Germany; and Montevideo, Uruguay. Short-term, faculty-led programs
and others also regularly take students to locations in China, Australia,
Egypt, Uganda, Ghana, Honduras, and Mexico. Several hundred
students travel each year to various states on Spring Break campaigns,
which are weeklong experiences involving service projects for
churches and communities. Students can grow spiritually through daily
Chapel, student-led devotionals, prayer groups, membership in local
congregations and more.

The university’s faculty and staff endeavor to attract well-prepared
students from various cultures, geographic locations, economic levels,
and age groups because we believe students learn best when they
interact with interesting people who bring different perspectives to their
classroom and campus experiences. Through research and campus
work experiences and about 100 campus organizations, students can
explore their interests and enhance their leadership skills while
preparing for meaningful lives and careers.

The Learning Covenant
At ACU, we have higher expectations. We believe that spiritual
commitment demands the highest standards of academic and personal
excellence.

Faculty and Staff
To enable students to benefit most from their ACU education, faculty
and staff must be willing to challenge and be challenged, to achieve as
individuals and as team members, to risk failure, to assume
responsibility for their decisions and their actions, and to be sharpened
and refined by other Christians.

As ACU faculty and staff members, we accept the challenge:
• to stretch the minds of students as we teach, lead and serve them
effectively as Christian scholars and professionals, calling
students and colleagues to a rigorous life of learning;
• to boldly integrate faith, learning and living and to serve with
honor and integrity as we help students connect their maturing
beliefs and their actions;
• to demonstrate intellectual, Christian and social leadership that
can be imitated as we support and participate in Chapel and
various campus, community and church activities;
• to create an environment where students, faculty and staff respect
each other and enjoy the blessings of diversity; and
• to develop a personal relationship with Christ, to love God with all
our heart, mind, soul and strength, and to love our students as
ourselves.

Students
To benefit most from an ACU education, students must be willing to
challenge and be challenged, to achieve as individuals and as team
members, to risk failure, to assume responsibility for their decisions
and their actions, and to be sharpened and refined by other Christians.

As an ACU student, I accept the challenge:
• to stretch my mind in and beyond the classroom by reading,
questioning, exploring, and committing myself to a rigorous life
of learning;
• to take responsibility for my academic decisions and life direction
as I learn to make good personal choices with the support of
Christian mentors, advisors, and friends;
• to actively participate in Chapel and various campus, community
and church activities that push me to grow intellectually,
spiritually and socially;
• to respect myself and others in my speech and actions, enjoying
the blessings of diversity; and
• to love and honor God and Christ, to study the Bible and to
seriously pursue opportunities to grow as a Christian servant-
leader.

Student Outcomes
Student Learning Outcomes
Students who complete their undergraduate education at ACU should
have demonstrated:
1. Strong analytical, communication, quantitative, and information
skills - achieved and demonstrated through learning in a range of
fields, settings and media, and through advanced studies in one or
more areas of concentration;
2. Deep understanding of and hands-on experience with the inquiry
practices of disciplines that explore the natural, socio-cultural,
aesthetic, and religious (or theological or spiritual) realms -
achieved and demonstrated through studies that build conceptual
knowledge by engaging learners in concepts and modes of inquiry
that are basic to the natural sciences, social sciences, humanities,
arts, and Christian faith (or theology);
3. Intercultural knowledge, integrative thinking, and collaborative
problem-solving skills - achieved and demonstrated in a variety of
collaborative contexts (classroom, community-based, international,
and online) that prepare students both for
democratic citizenship and for work;
4. A proactive sense of responsibility for individual, civic, and social
choices - achieved and demonstrated through forms of learning
that connect knowledge, skills, values, and public action, and
through reflection on students’ own roles and responsibilities in
social and civic contexts;
5. Habits of mind that foster integrative thinking and the ability to
transfer skills and knowledge from one setting to another -
achieved and demonstrated through advanced research and/or
creative projects in which students take the primary responsibility
for framing questions, carrying out analysis, and producing work
of substantial complexity and quality.

Academic Accreditation
Abilene Christian University is accredited by the Southern Association
of Colleges and Schools Commission on Colleges to award associate,
baccalaureate, masters and doctoral degrees. Contact the Commission
on Colleges at 1866 Southern Lane, Decatur, GA. 30033-4097 or call
404-679-4500 for questions about the accreditation of ACU.

Many programs have received additional accreditation from the
following associations:
• Association to Advance Collegiate Schools of Business (AACSB
International)
• The Accreditation Council for Education in Nutrition and
Dietetics (ACEND)
• The Accrediting Council on Education in Journalism and Mass
Communication (ACEJMC)
• American Speech-Language and Hearing Association (ASHA)
• Association of Theological Schools (ATS)
• Commission on Accreditation for Dietetics Education (CADE)
• Commission on Accreditation for Marriage and Family Therapy
Education (COAMFTE)
• Council for Interior Design Accreditation (CIDA, formerly
FIDER)
• Council on Social Work Education (CSWE)
• National Association of Schools of Music (NASM)
• Teacher Education Accreditation Council (TEAC)

In addition, some ACU programs hold approval by state and national
associations:
• American Chemical Society (ACS)
• Board of Nurse Examiners for the State of Texas
Legal Notices
Annual FERPA Notice to Students
Annually, Abilene Christian University informs students of the Family Educational Rights and Privacy Act of 1974, as amended (FERPA). This act, with which the institution intends to comply fully, was designated to protect the privacy of education records and afford students certain rights with respect to their education records. These rights include:

1. **Inspection and Review.** Students have the right to inspect and review education records within 45 days of the day the university receives a request for access. Students should submit to the registrar, dean of their college, chair of their academic department, or other appropriate official written requests that identify the record(s) they wish to inspect. The university official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the university official to whom the request was submitted does not maintain the records, that official shall advise the student of the correct official to whom the request should be addressed.

2. **Request Amendment.** Students have the right to request the amendment of the student’s education records that the student believes are inaccurate, misleading, or otherwise in violation of the student’s rights under FERPA. Students may ask the university to amend a record that they believe is inaccurate or misleading. They should write the university official responsible for the record; clearly identifying the part of the record they want changed, and specify why it is inaccurate or misleading. If the university decides not to amend the record as requested by the student, the university will notify the student of the decision in writing and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. **Consent to Disclosure.** Students have the right to provide consent to disclosures of personally identifiable information contained in the student’s education records, except to the extent that FERPA permits the university to disclose such information without the student’s consent. Exceptions that permit (but do not require) disclosure without consent include:
   a. To school officials with a legitimate education interest. A school official is a person employed by the university in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the university has asked or contracted to provide institutional services and functions (such as an attorney, auditor, collection agent, contractor, consultant, or volunteer); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.
   b. To officials of another school, upon request, in which a student seeks or intends to enroll. The student shall receive notification of the disclosure unless the student initiated the disclosure. Such a disclosure must relate to the student’s enrollment and transfer, but may include updating and correcting information after the transfer or enrollment is complete.
   c. To school officials or lending institutions, in connection with financial aid for which the student has applied or which the student has received, if the information is necessary determining eligibility, amount, conditions for the aid or enforcing the terms and conditions of the aid.
   d. To organizations conducting studies for or on behalf of educational institutions.
   e. To accrediting organizations.
   f. To parents of dependent students if the student is a verified dependent for tax purposes under Internal Revenue Code 1986, Section 152.
   g. To parents of students under the age of 21 who have violated university policies related to alcohol or controlled substances.
   h. To provide the final results of disciplinary proceedings against a student who is an alleged perpetrator of a violent crime (18 U.S.C. § 16) or non-forcible sex offense, if the university finds that the student committed a violation of the university’s rules or policies. The university may also disclose information to a victim of an alleged crime of violence or a non-forcible sex offense regardless of whether the violation was proven under the university’s rules or policies.
   i. To persons whose knowledge is necessary to protect the health and safety of the student or other individuals. This requires the university to determine that there is an articulable and significant threat to the health and safety of a student or other individuals.
   j. To comply with a lawfully issued subpoena or court order.
   k. Information the university has designated as “Directory Information,” unless a hold has been placed upon release of the information by the student. The following information is considered to be directory information and may be disclosed by the university for any purpose, at its discretion: Name, classification, major field of study, permanent address, email address, local residence, telephone number, previous institutions attended, dates of attendance, full-time or part-time status, awards, honors (including Dean’s Honor Roll), degree(s) conferred (including dates), church affiliation, past and present participation in officially recognized sports and activities, physical factors (height, weight of athletes), photograph, date and place of birth.
   l. Currently enrolled students may withhold disclosure of “Directory Information.” To withhold disclosures, written notification must be received in the Student Life office within 12 calendar days from the first day of registration for a long term and within four days for a summer term. Forms requesting the withholding of “Directory Information” are available in the Student Life office. Abilene Christian University assumes that failure on the part of any student to specifically request the withholding of categories of “Directory Information” indicates individual approval for disclosure.

4. **File a Complaint.** The right to file a complaint with the U.S. Department of Education concerning alleged failures by the university to comply with the requirements of FERPA. The name and address of the office that administers FERPA is: Family Policy Compliance Office U.S. Department of Education 600 Independence Avenue, SW Washington, DC 20202-4605 Students with questions about FERPA should contact the Registrar’s Office.

Non-Discrimination Notice
Abilene Christian University complies with all applicable federal and state non-discrimination laws and does not engage in prohibited discrimination on the basis of race, color, nationality or ethnic origin, gender, age, disability, including qualified disabled veterans and qualified veterans of the Vietnam Era, or genetic information in employment and all school-administered programs and activities. ACU is affiliated with the fellowship of the Church of Christ. The university is governed by a Board of Trustees, all of whom are members of the Church of Christ, and is operated within the Christian-oriented aims, ideals and religious tenets of the Church of Christ. As a
religiously affiliated institution of higher education, ACU is exempt from compliance with some provisions of certain civil rights laws. The following persons have been designated to handle inquiries regarding discrimination:

Wendy Jones, SPHR  
Chief Human Resources  
Coordinator (Title IX Coordinator)  
Hardin Administration Building, Rm 213D  
ACU Box 29106  
Abilene, TX 79699-9106  
(325)-674-2903  
www.acu.edu/titleix

J. Scott Self  
Director of University Access Programs (Section 504/ADA Coordinator)  
University Access Programs  
Hardin Administration Building, Rm 314  
(325)-674-2699

Slade Sullivan, J.D.  
General Counsel  
Hardin Administration Building, Rm 111  
ACU Box 29125  
Abilene, TX 79699-9125  
(325)-674-2485

Whistleblower Policy
Abilene Christian University proactively promotes legal and policy compliance by encouraging all members of the ACU community to report any financial improprieties, illegal practices or policy violations committed by university employees or agents and to protect from retaliation those who make such good-faith reports. This policy applies to members of the board of trustees, officers, faculty, staff, student employees, and volunteers.

Members of the ACU community have the responsibility to report suspected violations either anonymously at www.acu.edu/anonymous or 325-674-2594, or to the appropriate university representative as outlined in the complete ACU Whistleblower Policy (http://www.acu.edu/campusoffices/legal/policies/Whistleblower_Policy.html).

For more information about Legal Notices, contact: Slade Sullivan, General Counsel • ACU Box 29125  
325-674-2485 • sullivans@acu.edu

Student Programs and Support

Resources and Services

Alpha Scholars Program
J. Scott Self, Director  
ACU Box 29204; Abilene, Texas 79699-9204  
Hardin Administration Building, Room 314  
Phone: 325-674-2667  
Email: jss00c@acu.edu

The Alpha Scholars Program is comprised of two separate but related programs. One of these, a federally-funded Student Support Services program (SSS), provides tutoring and counseling services to qualified students. The second program, Disability Support Services (DSS) offers assistance with academic accommodations to students with documented disabilities. Alpha students receive assessment of their individual learning styles and study habits and assistance in adapting study strategies to their unique learning characteristics. SSS is limited to 200 participants per academic year. Qualifications are based on level of parental education, family taxable income, or disability documentation. Participation in DSS is limited to students with documented disabilities that affect the ability to participate fully in academic opportunities. Disability documentation must be current (within 3 years) and include assessment data. Both programs provide service at no additional cost to the students.

Disability Appeals Processes
In situations where a student does not agree with a decision made in light of a disability, there are specific processes that apply. For appeals that are not directly related to disability (change of grade, exceptions to university policy, etc.), the student should refer to the Abilene Christian University Student Handbook.

A. Determination of Accommodations
The ADA and other regulations require the university to consider requests for accommodation related to disability on a case-by-case basis. If a student requests an accommodation that is not approved, and wishes to appeal that decision, the student (not the parent) may appeal in the following order:

- Ask the compliance officer to reconsider – any additional documentation supporting the request should be submitted, along with additional information related to performance, precedent, and conditions relating to the disability.
- Ask for a review by committee – the disabilities compliance officer will convene an ad hoc committee to review all pertinent documentation and review the request for accommodations.
- Ask for a review by the Provost’s Office – the disabilities compliance officer will forward all documentation related to the student’s disability and the review committee findings to the Provost’s Office, where the final decision will be made.

B. Appropriate Delivery of Accommodations
If a student believes that an accommodation is not being delivered in an effective manner, the student may wish to appeal the delivery of the accommodation. The student (not the parent) may appeal in the following order:

- Discuss failure of delivery with faculty teaching the course – the most common way these conflicts are managed is with this first step.
TRIO Services
J. Scott Self, Director
ACU Box 27939; Abilene, Texas 79699-7939
Hardin Administration Building, Room 314
Phone: 325-674-2456
Fax: 325-674-6731
Email: jss00c@acu.edu

ACU receives grants from the U.S. Department of Education to fund four programs designed to help underrepresented and disadvantaged students succeed academically in middle school through graduate school. The four programs and their purposes include the following:

- **Talent Search** serves students in the Abilene Independent School District in grades 6-12. This program provides enrichment activities to disadvantaged students in these grades to encourage their completion of high school as well as entrance and success in higher education. This program serves 525 students per academic year.
- **Upward Bound** serves 55 high school students in the Abilene Independent School District students in grades 9-12. This program provides tutoring and college preparatory advising throughout the school year. During the summer, students participate in an intense, six week college going experience on-campus. The purpose of the program is to increase the rate at which participants complete high school and enroll in and graduate from institutions of post-secondary education.
- **Student Support Services** serves 200 university students who meet the program qualifications with tutoring, academic counseling, and financial assistance to enhance their chances of success at the university level.
- **McNair Scholars Program** serves approximately 27 undergraduate students at ACU who are first-generation low-income, or are ethnically underrepresented in their chosen field of study. The purpose of the program is to provide participants unique opportunities for developing high-level academic and research skills needed for successful admission to and completion of master’s and doctoral programs.

For more information about TRIO Services, contact the following people:

**MCNAIR SCHOLARS PROGRAM**
Dr. Steven Moore, Director • ACU Box 29205 • 325-674-2830
sxm00b@acu.edu • www.acu.edu/mcnair

**STUDENT SUPPORT SERVICES (Alpha Scholars Program)**
James Scudder, Associate Director • ACU Box 29204 • 325-674-2667 • jms97w@acu.edu • www.acu.edu/alpha

**TALENT SEARCH**
Gayla Herrington, Director • ACU Box 29207 • 325-677-1444 ext. 8074 • gayla.herrington@acu.edu • www.acu.edu/talentsearch

**UPWARD BOUND**
Karen Wilkerson, Director • ACU Box 29206 • 325-674-2448
karen.wilkerson@acu.edu • www.acu.edu/upward

**Academic Development Center**
Dr. Eric Gumm, Director
ACU Box 29104; Abilene, Texas 79699-9104
Hardin Administration Building, Room 305
Phone: 325-674-6400 800-677-8684
Fax: 325-674-6735
Email: adc@acu.edu
Web: www.acu.edu/adc

The Academic Development Center provides services that equip students to accomplish their academic, career and life goals. Our staff pro-actively identifies, supports and empowers undergraduate students and advises undeclared students in order to help them to accomplish their academic and life goals.

**Learning Strategies Course**
Learning Strategies (UNIV 011) is an academic course that offers 3 credit hours of instruction to help students who desire to increase their academic potential. Conditionally admitted students are typically required to enroll in this course, and freshmen on academic probation are also required to complete this course. Academic departments may also choose to enroll a struggling student who is majoring in their area.

This course is designed to help students evaluate and develop academic goals, strengths, and skills, and then to consistently apply those elements to all other courses they are taking. The course includes classroom instruction, as well as a required weekly meeting with a trained peer mentor where the student receives individualized support and personal accountability. Students will learn about motivation, time management, goal setting, individual learning styles, memory, concentration, information organization, exam preparation and exam success.

**Academic Coaching Program**
Academic Coaching is designed to help students plan for success by identifying individual academic strengths and weaknesses.

The student/coach relationship seeks to build confidence, instill motivation and self-reliance through individualizing the academic process. Additionally, undergraduate student midterm grades are evaluated, and corresponding emails are sent to offer assistance for
grade recovery. For more information, visit www.acu.edu/academiccoaching.

Academic Coaching:
- Assesses individual academic strengths and weaknesses
- Cultivates individual goals and identifies steps to completion
- Utilizes effective learning strategies
- Integrates time-management skills and organizational strategies
- Educates students about additional campus services which may meet specific identified need

Academic Probation Program
We provide support for all freshman students who are placed on academic probation after at least one semester at ACU. Each student’s situation is unique therefore an individual counselor is assigned to assist the student throughout the semester. For more information, see www.acu.edu/academicprobation.

Interventions to assist students may include:
- Probation contract defining standards and strategies to provide support
- Meeting individually with an academic counselor at least twice a semester
- Completing and discussing the results of the Learning and Study Skills Inventory
- Enrolling in a Learning Strategies Course
- Participation in the Alpha Scholars Program

Undeclared Advising Program
We serve as the home academic department for students who are still deciding on their major. We provide academic advising, help select appropriate classes and assist them as they build their class schedule each semester. In working with undeclared students, we pay special attention to course selection in order to assist them in taking classes which are applicable to a wide range of majors. We also will help them to understand their gifts and abilities and connect them to resources on campus to assist them in their selection of an appropriate major. For more information, visit www.acu.edu/undeclared.

Discovery
If you are thinking about your future, you are probably asking all kinds of questions about who you are, what gifts you possess, your unique purpose in life, what major to choose, and what career options are available to you. If you are asking yourself any of these questions, the first step to finding answers is through a program that ACU calls DISCOVERY.

DISCOVERY is a five-week program that is held multiple times throughout the school year.

DISCOVERY will help you:
- **Learn** – How to choose a major and help you if you are having doubts about a major you have chosen.
- **Confirm** – Know that the major you chose aligns with how God uniquely created you.
- **Research** – Provide specific insight into what career options are available to you within your chosen major.

During each session you will explore topics that will help you discover ways to impact the world in an exceptional, innovative and real way. We will utilize:
- Scripture and talk about the idea of The Call and Your Mission.
- Personalized assessments that help you explore your unique interests.
- Innovative information that allows you to make a clear decision leading to a "good-fit" career path.
- Valuable online tools to research your chosen major and career options.

In addition, we will provide a face-to-face individual appointment to help you understand your assessments and how they assist you in determining what majors and jobs to research.

**University Testing Center**
ACU Box 29104; Abilene, Texas 79699
Lower Level, McKinzie Hall, Room 44
Phone: 325-674-2451
800-677-8684
Fax: 325-674-6735
Email: acutesting@acu.edu
Web: www.acu.edu/testing

The University Testing Center offers a wide range of standardized testing and proctoring services. We administer the HESI for those entering our School of Nursing. CLEP tests and course challenges are available in a variety of subjects for students who wish to earn course credit by examination. The Testing Center also processes all AP credit that students earn while in high school. In addition, we administer placement exams, MAT exams for students entering graduate school, and offer professional proctoring services for distance learners.

**Career Center**
ACU Box 27914; Abilene, Texas 79699-7914
Hunter Welcome Center, Room 230
Office Hours: Monday-Friday, 8 a.m.–12 p.m., 1 p.m.–5 p.m.
Phone: 325-674-2473
Fax: 325-674-4983
Email: careers@acu.edu

Maximize your potential by working with our office.

The ACU Career Center exists to help students honor God by engaging in the exploration and preparation to achieve "good-fit" career goals. We are here to assist you with a variety of topics including: résumé and cover letter assistance, interview preparation, internship and job search strategies, and more.

For more information about our services or to schedule an appointment visit:www.acu.edu/careercenter or follow us on Facebook or Twitter.

**Library Resources**
Dr. John Weaver, Dean of Library Services and Educational Technology
ACU Box 29208
Abilene, Texas 79699
Phone: 325-674-2316
Email: ask@acu.libanswers.com
Web: www.acu.edu/library

The Margaret and Herman Brown Library provides resources, instruction, and research assistance to support teaching, learning, and scholarship at ACU. Students have Internet access to the library’s catalog of more than one million volumes and one million microforms held by ACU and other members of the Abilene Library Consortium. Students can also access more than 40,000 journals, many of them full text.

The library serves students and faculty by participating in the statewide information network, TexShare, which supports database searching and document delivery and by borrowing materials from research libraries throughout the world. Specialized collections at ACU include a selective depository for U.S. Government Publications, archives and rare books, and the Center for Heritage and Renewal in Spirituality (CHARIS) which facilitates the study of Churches of Christ and related theological movements. The Gaines B. Stanley Sr. Theological Reading Room provides study space and resources for students enrolled in biblical studies and related disciplines.

Students working on class projects make use of the Learning Commons, an energized environment that brings together collaborative learning space with professional assistance in research, writing, and support for printing, computing, and mobile technology. The Learning
Commons features comfortable seating and a café that serves Starbucks Coffee.

The AT&T Learning Studio provides assistance with public speaking and multi-media creation, and houses Library Media Collections. The Studio features collaboration rooms and recording facilities where students work together and acquire the skills for crafting messages for the world of digital media.

The ACU Maker Lab is an 8,000 square-foot design studio and prototyping shop that is focused on do-it-yourself design and fabrication of innovative products. The lab focuses on a “constructionist” approach to teaching and learning that emphasizes the importance of student making and manipulation of learning objects. The lab is equipped with the latest technology including 3D scanners and printers, laser cutters, and CNC routers.

Writing Center
Cole Bennett, Director
ACU Box 28252; Abilene, Texas 79699-8252
Phone: 325-674-4833
Email: writingcenter@acu.edu
Web: www.acu.edu/writingcenter

The Writing Center is located in the Brown Library. Any student in any class who wishes to discuss his or her writing assignment with an experienced and trained tutor can call 674-4833 and schedule an appointment (or drop in, when available) and receive personalized, one-on-one assistance. Appointments last half an hour or one hour, depending on the needs of the student. Services are free.

Speaking Center
Dena Counts, Director
ACU Box 28252; Abilene, Texas 79699-8252
Phone: 325-674-2341
Web: facebook.com/acuspeakingcenter

The Communication and Sociology Department staffs and operates the ACU Speaking Center housed in the Learning Studio on the top floor of the Brown Library. It provides expertise in all aspects of the creation and delivery of presentations. The services are available to all students, faculty, staff, and community members.

Study Abroad
Stephen Shewmaker, Director
Center for International Education
ACU Box 28226; Abilene, Texas 79699-8226
Hardin Administration Building, Room 124
Phone: 325-674-2710
Fax: 325-674-2966
Email: study_abroad@acu.edu
Web: www.acu.edu/academics/study-abroad

Through the Center for International Education, ACU offers many opportunities for students to study abroad as they prepare for Christian service and leadership throughout the world. In addition to semester programs in England, Germany and Uruguay; the university also offers programs in these and other countries in the summer. Students engage with and learn about the culture, history, literature and languages of the host countries. They also study education, healthcare, journalism, management, government, and religion. The center offers students of all majors an opportunity to learn about the host country through life experience as well as through dynamic academic course work. Students with an interest in cultural aspects of a society see for themselves how the literature, music, art, and history of a people influence their politics and economics. Students do more than read about unusual geographical features or significant landmarks; they see them and place them in relationship to the land and culture that have influenced them throughout their history. As a member of the Council for Christian Colleges and Universities, ACU students are also eligible to participate in semester-long programs in China, Uganda, Australia, Costa Rica, and the Middle East.

Students with majors such as global studies may fulfill their international experience requirements by participating in an ACU Study Abroad program. However, all students can fulfill university requirements, and often major requirements, with courses offered in ACU Study Abroad programs.

The Depot
(Student Administrative Services)
ACU Box 27940; Abilene, TX 79699
Phone: 1-888-588-6083
Email: depot@acu.edu
Web: www.acu.edu/depot

Your one-stop shop for your student service needs, the Depot combines some of the most-requested student services from various offices on campus into one central location in the McGlothlin Campus Center. The Depot is convenient and staffed by friendly professionals ready to help you complete the necessary details of being a university student.

Some of the services available to you through the Depot include:
- Financial Aid
- Billing
- Residence Life
- Meal Plans
- ID Cards
- Parking Permits
- Notary Public Service

Current students may access most of these services through myACU.
Honors College

Jason Morris, Dean
ACU Box 29142; Abilene, Texas 79699-9142
Zellner Hall, Room 100
Phone: 325-647-2728
Fax: 325-674-6581
Email: honorsoffice@acu.edu
Web: www.acu.edu/honors

The Honors College offers an enhanced academic experience to qualified undergraduate students in any major. Students should consult the Honors Course Guide or contact the Honors College for current course offerings. Teachers of Honors courses are listed in this catalog under their respective departments.

Introduction
The Honors College offers highly motivated students stimulating classes, opportunities to work with select faculty members, and the chance to do research projects in their major field. Students receive special advising, early registration, and coaching for prestigious scholarships.

There are three tracks in the program, and the courses required for each will fit into most degree plans. See the Honors College advisor for complete information. There are no extra costs required for Honors College participation. Frequent social events and small-group chapel gatherings encourage fellowship among Honors College students and teachers. Members of the Honors College Student Senate provide leadership and plan social events.

The ACU Honors College is active in the National Collegiate Honors Council and the Great Plains Honors Council. Selected students may present papers at these conferences.

Admission Requirements
Students must be formally admitted to the Honors College before they can register for Honors classes. The application instructions are available online at www.acu.edu/honors. Current ACU students and transfers may apply.

Graduation with Honors College Distinction
To graduate with the distinction of Honors Graduate, students must complete 18 hours of lower level Honors classes, 2 colloquia, and any 3 of the upper level options (See “Requirements” below for more information).

To graduate with the distinction of Honors Scholar, students must complete 18 hours of lower level Honors classes, 2 colloquia, any 4 of the upper level options, Project Thesis Seminar, and Project Thesis (See “Requirements” below for more information).

The distinction of Honors Associate Fellow is designed for transfer students. To earn this award, students may skip the lower level requirements, but they must complete all the upper level requirements of the Honors Scholar distinction (See “Requirements” below for more information).

Students completing the requirements for any of these distinctions and having a cumulative GPA of 3.50 will wear Honors regalia at graduation and receive a notation on their transcripts. Honors Scholars may have the title of their Project Thesis—or other major project, subject to approval—published in the university commencement program.

Courses
Honors College classes are smaller than other classes. Lower level Honors classes typically have 20-25 students, while upper level colloquia classes are limited to 15. Honors classes are taught by select faculty who encourage discussion and in-depth thinking. Up to 12 credit hours for Honors courses taken at another school may be counted toward ACU Honors requirements at the discretion of the Dean of the Honors College.

Topics for colloquia are announced each year. Colloquia are open to Honors College students who have completed at least three semesters of full-time college study. Colloquia are interdisciplinary, allowing students with any major to find a connection. Each colloquium meets for 15 hours, typically either one night a week for 5 weeks, or on one weekend. Students can earn one hour of credit, or colloquia may be taken for zero-credit. Recent topics have included Music and World Culture; Photography and Society; Sustainable Design; Cartoons and Modern Culture; J.R.R. Tolkien; Satire; and Zen, Clay and Culture.

Course Descriptions
See the Course Descriptions section of this catalog beginning on page 165. Courses offered by the Honors College include those with the following designation: HON.

Requirements
Lower level: This consists of 18 hours of lower level Honors classes. Entering freshmen will typically take an Honors section of Cornerstone plus one other Honors class. It is strongly recommended that students take 2 Honors classes each semester until they have all 18 hours. Students meet with the Honors advisor each semester before registration for advice on how to fit Honors work in their schedule.

Some of the courses offering honors sections include BIBL 101, 102, 211; CHEM 133, 134; COMM 211; CORE 110, 210; BCOR 310; BIOL 112, 113; MKTG 320; BUSA 120; MGMT 330; and PEAC 100.

Upper level:
1) Students take 2 colloquia
2) Students choose options from the following list of upper level units. Most options may be utilized twice, as content and experiences will vary. The amount of upper level units required varies depending on the student’s chosen Honors track.
   • Honors classes, (in addition to the required 6)
   • Honors colloquia, (in addition to the required 2)
   • Philosophy classes
   • Project in a student’s major
   • Research
   • Internship
   • Leadership in a student organization
   • Completion of a Major Scholarships/Fellowships application
   • Presentation at a research conference
   • Significant work with the Optimist or Shinnery Review
   • Original creative work or performance
   • Honors portfolio presentation
   • Other ideas suggested by student and approved by a committee
3) Honors Scholars only: Students pursuing the Honors Scholar distinction must also take a zero-credit Project Thesis Seminar and write an individual Project Thesis.
University Admission

Tamara Long, Dean of Admissions
ACU Box 29000; Abilene, Texas 79699-9000
Hunter Welcome Center, Suite 140
Phone: 325-674-2949
Fax: 325-674-2130
Email: info@admissions.acu.edu
Web: www.acu.edu/admissions

A goal of the director of admissions is to admit a broad range of well-prepared students. The availability of student financial aid facilitates this goal by permitting the university to consider applicants without regard to their ability to pay full tuition costs (See the Financial Aid section of this catalog (page 20). Abilene Christian University complies with all applicable federal and state non-discrimination laws and does not engage in prohibited discrimination on the basis of race, color, nationality or ethnic origin, gender, age or disability in admissions decisions, financial aid and provision of student services, programs and activities. As a private educational institution, however, ACU reserves the right to deny admission to any applicant whose academic preparation, character or personal conduct is determined to be inconsistent with the purposes and objectives of the university.

The purpose of the admissions process is to identify applicants who are likely to succeed academically at ACU and contribute positively to the campus community. The process considers such factors as high school records (including courses taken, grade trends and rank in class), score on the Scholastic Aptitude Test (SAT) or the American College Test (ACT), extracurricular activities and honors. Admission or denial of admission is not based on any single factor.

Admission Categories

Freshman Student – A student matriculating from high school (regardless of college credits) or the GED program (page 15).

International Student – A student who is not a U.S. citizen and holds a non-immigrant visa (eligible to study in the U.S.) (page 16).

Transfer Student – A student who has attended another accredited college or university and desires to attend ACU to pursue a degree (page 16).

Graduate Student – A student who has received a bachelor’s degree and is admitted to a masters or doctoral degree program (page 17).

Former ACU Student (Readmission) – A student who previously attended ACU, was away for one or more semesters, and desires to return (includes students who were required to leave) (page 17).

Second Baccalaureate Degree-Seeking Student – A student who has already completed one baccalaureate degree from ACU or another accredited university and is seeking to complete a second baccalaureate degree from ACU (page 17).

Transient (Special or Short Term) Student – A student who desires to take one or more courses at ACU without pursuing a degree (page 17).

Dual Credit Student – A student currently enrolled in high school who wishes to take college credit that also meets high school graduation requirements (page 17).

Intercollegiate Student – A student who is admitted to ACU, Hardin-Simmons or McMurry and who takes courses at any of these universities to count toward his or her degree by completing an intercollegiate enrollment form (page 27).

ESL Student – Degree and non-degree seeking students wishing to improve their English language ability. Required for degree-seeking students who do not meet ACU’s minimum language requirement (see Institute of Intensive English in the Department of Language and Literature section of this catalog) (page 18).

Military or Veteran Student – Military service personnel and veterans of military service (page 18).

Academic Fresh Start Student – A student who previously attended ACU and has not been enrolled in any college or university for at least five years may request approval for Academic Fresh Start (page 18).

Freshman Admission

To be considered for admission to an undergraduate degree program at ACU, a prospective student must see that the director of admissions receives the following:

1. Completed application form accompanied by a non-refundable processing fee.

2. Official transcripts of all previous academic work. Students are required to submit official transcripts from the high school from which they graduated and any colleges they have attended. An official transcript is one that is delivered to the university via Docufide, SEND.edu, or in a sealed envelope, marked as official, and contains a date of graduation if applicable. The director of admissions can consider freshman applications from students who have not graduated from high school but have passed the General Educational Development (GED) equivalency test and from persons 21 years of age or older who present strong evidence of ability to succeed in college.

3. SAT or ACT scores (not required of some transfer and International students, see the Transfer Admission or International Admission sections of this catalog)

College Board - SAT Programs (Customer Service)
PO Box 025505
Miami, Florida 33102
SAT COLLEGE CODE FOR ACU IS 6001.
www.collegeboard.com

ACT Records
301 ACT Drive
PO Box 451
Iowa City, Iowa 52243-0451
ACT COLLEGE CODE FOR ACU IS 4050.
www.actstudent.org

SAT or ACT scores must be submitted by all freshmen. In addition, students must submit at least one writing score from a national SAT or ACT. Contact SAT or ACT directly to request scores. Applicants are required to take one of these tests at the earliest possible date. Prospective students cannot be admitted unless SAT or ACT scores are on file. Either test will be acceptable for admission purposes provided that the student achieves sufficient results.

Additional Requirements After Being Granted Admission to ACU.

1. Residence Halls

ACU Box 29004; Abilene, Texas 79699-9004
McGlothlin Campus Center, Lower Level
Phone: 325-674-2066
Fax: 325-674-6475
Email: reslife@acu.edu
Web: www.acu.edu/reslife

All students who have been out of high school less than two years are required to live in ACU residence halls. Newly admitted students must request housing online through their myACU portal. Assignments are made according to several factors, including the date applications are completed within the portal, roommate preferences, and hall availability. Current students apply for second-year residence halls through a lottery process held in the spring semester of each year. An off-campus housing petition is required of students who are making a special request to live off campus with their parent or guardian, because they are married, because they have been out of high school more than two years, or
because they are 21 or older. To obtain an application, please visit www.acu.edu/reselife. Additional information on living and learning at ACU can be found in the Residence Life Education and Housing section of this catalog.

2. Student Immunization Form

Completed student immunization forms with a current medical history and immunization records is required at the time of registration. Student immunization forms must be submitted to Health Services by August 1 for the fall term. Deadline for the spring term is December 1. Forms are available at acu.edu/medical, in the “forms” section.

To ensure the health and safety of our campus, immunization against communicable diseases is extremely important. Vaccination against Measles, Mumps, Rubella (MMR) and Meningococcal Meningitis, as well as a Tetanus booster and a completed Tuberculosis questionnaire, are required of all first-time freshmen and transfer students.

Please have the Student Immunization Form completed and signed by a health care professional, or complete the form and include an official photocopy of your records (see list of acceptable records below), and send to:

Student Immunization Form
ACU Box 29000
Abilene, Texas 79699-9000
Or fax it to 325-674-2130.

Acceptable records demonstrating your immunizations may only be obtained from the following:

- High School or previous college or university records – These may contain some, but not all of your immunization information. They must have an official stamp or signature. Your immunization records do not transfer automatically. You must request a copy.
- Personal shot records – Must be verified by a doctor’s stamp or signature or by a clinic or health department stamp.
- Local Health Department
- Military records or WHO (World Health Organization) documents

Be certain that your name, date of birth and ID number appear on each sheet and that all forms are submitted together. The records must include the dates of vaccine administration – including the month, day and year. All records must be in English. Please keep a copy for your records.

If you have any questions about these immunizations, please call the ACU Health Services Office at 325-674-2625 or visit the web site at www.acu.edu/medical.

International Student Admission

Jorge Daniel Garcia, Director of International and Multicultural Enrollment
Office of Admissions
Hunter Welcome Center 241
ACU Box 29000; Abilene, Texas 79699-9000 USA
Phone: 325-674-4917
Fax: 325-674-2710
Email: acu.international@acu.edu
Web: www.acu.edu/international

International students applying for admission to Abilene Christian University are given the same consideration as domestic students, except that they might substitute the SAT and ACT requirements, at the discretion of the ACU Director of Admissions, with other international standardized assessments. Also, international students must show evidence of their ability to understand and use English sufficiently well to succeed in their work at ACU.

The Center for International Education issues the I-20 form and Certificate of Eligibility to international students admitted to the university.

The Center for International Education issues immigration documents to admitted international students who have met the English language and financial requirements of the university.

Transfer Admission

Regardless of college credits, students matriculating from high school in 2015 will follow the freshman admission procedure.

For students with 24 or more transferable hours at the time of application:

Transfer applicants must submit an official transcript from each college previously attended. To be official, a transcript labeled “official” by the issuing institution must be transmitted in a sealed envelope directly from the issuing institution to the receiving institution or be submitted through an approved electronic source such as Docufide or SEND.edu. They must be in good standing with the college or university previously attended. Those on suspension at another institution are not eligible for admission to ACU.

For students with less than 24 transferable hours at the time of application:

Transfer applicants must meet freshmen admission requirements and submit an official transcript from each college previously attended. To be official, a transcript labeled “official” by the issuing institution must be transmitted in a sealed envelope directly from the issuing institution to the receiving institution or be submitted through an approved electronic source such as Docufide or SEND.edu. They must be in good standing with the college or university previously attended. Those on suspension at another institution are not eligible for admission to ACU.

*Note: All students must complete a minimum of 40 hours at ACU regardless of how many transfer hours they bring in.

Bible and CORE Requirements for Transfer Students

Incoming students transferring to ACU who have been full time students at other institutions (and having matriculated from high school prior to 2015) will have university Bible and CORE requirements based on the number of hours credited to their ACU degrees as specified in the following tables:

<table>
<thead>
<tr>
<th>Transfer hours credited to ACU degree</th>
<th>Bible hours required for ACU degree</th>
<th>Courses required</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-23</td>
<td>15</td>
<td>BIBL 101, 102, 211, advanced Bible selection, BCOR 310</td>
</tr>
<tr>
<td>24-59</td>
<td>12</td>
<td>BIBL 103, 211, advanced Bible selection, BCOR 310</td>
</tr>
<tr>
<td>60 or higher</td>
<td>9</td>
<td>BIBL 103, 211, BCOR 310</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transfer hours credited to ACU degree</th>
<th>CORE hours required for ACU degree</th>
<th>Courses required</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-23</td>
<td>6</td>
<td>CORE 110, 210*</td>
</tr>
<tr>
<td>24 or higher</td>
<td>3</td>
<td>CORE 115*</td>
</tr>
</tbody>
</table>

*Requires ENGL 112 as a prerequisite.

Transferring Credit from Institutions that are Not Regionally Accredited

Students wishing to transfer courses to ACU from institutions that are not regionally accredited must:

- Complete one semester as a full-time student at ACU with a GPA of at least 2.5.
• Provide course descriptions and academic credentials of each instructor for the courses that are to be considered for transfer.
• Request a transfer reevaluation after their first semester at ACU.

During their first semester at ACU, students will qualify for financial aid based only on the number of hours previously earned at regionally accredited institutions, if any. After one semester, financial aid eligibility will be recalculated, upon request, and based on the total number of hours that have been awarded under this policy.

Graduate Admission
See the Graduate School section of this catalog (page 128).

Former ACU Student (Readmission)
Office of the Registrar
ACU Box 29141; Abilene, Texas 79699-9141
Hardin Administration Building, Room 207
Phone: 325-674-2236
Fax: 325-674-2238
Email: registrar@acu.edu
Web: www.acu.edu/readmission

All students who leave the university for more than one long semester must apply for readmission. All students who leave the university on academic probation or suspension or with disciplinary concerns must also apply for readmission. Their cases will be taken before the University Readmission Committee to determine their eligibility to return to ACU. Decisions made by the committee are made based on a variety of factors, looking at the holistic view of the student, rather than just one factor. The decision of the University Readmission Committee is final. Those students on academic suspension from another institution will not be eligible for readmission to ACU.

Students wanting to apply for readmission should refer to the Readmission page at acu.edu/readmission for instructions and the application forms. Note that the deadlines for applying each semester will be strictly enforced.

Second Baccalaureate Degree Student
Office of the Registrar
ACU Box 29141; Abilene, Texas 79699-9141
Hardin Administration Building, Room 207
Phone: 325-674-2236
Fax: 325-674-2238
Email: registrar@acu.edu
Web: www.acu.edu/registrar

Students who have already attained a baccalaureate degree from ACU must apply for re-admission through the Registrar’s office. All students who have a baccalaureate degree from another accredited institution must apply for admission to the university through the Admissions office.

Students applying to ACU in this category will be required to provide copies of all college transcripts, as well as all other admissions documents that are required for other undergraduate students. Students seeking a second baccalaureate degree will be required to meet the university requirements for the degree they are pursuing and must have at least 24 hours in addition to the work completed for their first degree.

Transient (Special or Short Term) Students
Office of the Registrar
ACU Box 29141; Abilene, Texas 79699-9141
Hardin Administration Building, Room 207
Phone: 325-674-2236
Fax: 325-674-2238
Email: registrar@acu.edu
Web: www.acu.edu/registrar

Students who want to take courses for academic credit but are not seeking a degree from ACU may be admitted on a semester-by-semester basis as transient, or non-degree, students. This provision applies, for example, to students enrolled in another college, qualified high school students, and visiting summer students. Transient applicants must:

1. Complete a Special Student Application, available in the Registrar’s Office or online at www.acu.edu/registrar.
2. Submit an official high school or college transcript.
3. High school students must also submit a letter of permission from a high school counselor or principal.

Students from other institutions are urged to confer with their own advisor before enrolling at ACU. Students who have a baccalaureate degree but want to take additional undergraduate courses must apply through the Graduate School.

Non-degree students who later decide to continue their work at ACU must apply for admission to a degree program following published procedures. The fact that they have been admitted to non-degree status for one or more semesters does not guarantee their admission to a degree program at ACU.

Dual Credit Courses at ACU
Office of the Registrar
ACU Box 29141; Abilene, Texas 79699-9141
Hardin Administration Building, Room 207
Phone: 325-674-2236
Fax: 325-674-2238
Email: registrar@acu.edu
Web: www.acu.edu/registrar

Courses Available
ACU offers the opportunity for students to take up 7 credit hours per fall or spring term with a maximum of 24 credit hours which can apply both as college credit and toward fulfilling high school requirements. Any courses at ACU may be taken as dual credit provided the student meets all prerequisite requirements for the course. Prerequisite requirements for courses can be found in the Course Descriptions section of the catalog beginning on (page 165).

Costs
These courses are offered to high school students at greatly reduced rates. The rate for the 2015-16 academic year is $90 per credit hour. Individual course fees may also apply. Students will also be responsible for purchasing an ACU Parking Pass at a cost of $25 (for on campus courses only) and will be responsible for any books for each course taken. Cost for books varies greatly by course. No other discounts or scholarships, such as the Faculty-Employee Discount, will apply to these hours.

Requirements
To apply for dual credit courses at ACU, a student will need:

• to have completed the sophomore year in high school but not yet have completed all high school requirements
• to complete a Dual Credit Application
• to have a letter or email from an official at the student’s school, certifying that these courses will count to complete high school requirements; letters may be faxed to 325-674-6850 or emailed to registrar@acu.edu from a valid high school email address
• a valid ACT or SAT score (or other standardized test such as COMPASS)
• to adhere to ACU’s Immunization Policy

Other Information
Students enrolling in dual credit at ACU will be registered after current ACU students have registered for classes. Typically, this means that students will be registered in late April for the fall term and in mid-
Orientation to ACU

New Student Orientation
Tamara Long, Dean of Admissions
ACU Box 29000; Abilene, TX 79699
Phone: 325-674-2949
Email: info@acu.edu
Web: www.acu.edu/orientation

Wildcat Week
Caddie Coupe, Director of New Student Programs
ACU Box 27867; Abilene, TX 79699-7867
Phone: 325-674-6337
Fax: 325-674-6867
Email: acuwildcatweek@acu.edu
Web: www.acu.edu/wildcatweek

New Student Orientation, Registration and Wildcat Week

New Student Orientation
New Student Orientation is a summer orientation program for first-year ACU students and their parents. All entering students, freshmen, and transfers are required to attend one of the summer orientation sessions. During the two-day Orientation session, students will receive important information about starting their journey at ACU and will meet fellow students and professors. They will also complete necessary placement testing, receive comprehensive academic advising and confirm their fall schedule. More information can be found at acu.edu/orientation.

Registration
Students will receive their tentative fall schedule after registering online for New Student Orientation.

All admission records, transcripts, test scores, fees, and deposits, must be on file prior to New Student Orientation. Incomplete admission records or test scores will prevent students from registering.

New students must be registered in required first-year university courses in Bible and Cornerstone (CORE 110) during their first semester and freshman English during their first year, unless they have already completed these courses. Transfer students (who matriculated from high school prior to 2015) with 24 or more hours must be registered for Bible 103 and CORE 115.

International Student Registration
International undergraduate students must be registered for at least 12 hours. Undergraduates whose native language is not English are required to enroll in English as a Second Language (ESL) unless they can demonstrate acceptable English language skills with a score of at least 525 on the Test of English as a Foreign Language (TOEFL), or 197 on the computer based TOEFL. ESL courses do not count toward graduation. For more information, please see the Institute of Intensive English in the Department of Language and Literature section.

Wildcat Week
The purpose of Wildcat Week is to empower new Wildcats to call Abilene their home while equipping them with the opportunity for spiritual growth, academic success, and social excellence.

Wildcat Week is an extended orientation experience designed to prepare students for their transition to Abilene Christian University. It is an exciting experience for all new students that encourages you to engage in the Wildcat community. During Wildcat Week, you will build friendships with future classmates while experiencing the traditions of ACU, learning what it truly means to be a Wildcat. More information can be found at acu.edu/wildcatweek.

Wildcat Weekend
(Students Entering at the Spring Semester)
Wildcat Weekend is an orientation program for students entering in the

November for the spring term. Where ACU classes are full, no dual credit students will be allowed to register for those courses without special permission of the department and professor. Students seeking to take upper level courses at ACU will also need special permission from the instructor and professor of the class.

ESL Student Admission
Jorge Daniel Garcia, Director of International and Multicultural Enrollment
Office of Admissions
ACU Box 29000; Abilene, Texas 79699-9000 USA
Hunter Welcome Center 241
Phone: 325-674-2710
Fax: 325-674-2710
Email: acu.international@acu.edu
Web: www.acu.edu/international

ESL students should contact the Office of Admissions for an application to the Institute of Intensive English and admission to the university. See the Institute of Intensive English in the Language and Literature Department section of this catalog.

Military and Veterans Admission
Aaron Hastings, V4 Coordinator
Office of the Registrar
ACU Box 29141; Abilene, Texas 79699-9141
Hardin Administration Building, Room 309
Phone: 325-674-2236
Fax: 325-674-2238
Email: aaron.hastings@acu.edu
Web: www.acu.edu/registrar/veterans.html

Veterans applying for admission to the university should follow the normal university admissions process, but they should also contact, as early as possible, the veterans’ coordinator in the Registrar’s Office to expedite handling of VA forms needed to qualify for benefits.

Military service personnel and veterans may be admitted as freshmen or transfer students. In addition, they may receive credit for successful completion of college-level military service schools as set forth in the American Council on Education’s “Guide to the Evaluation of Educational Experiences in the Armed Services.”

Veterans should submit evidence of satisfactory completion of Service Schools to the Registrar’s Office to determine if college credit can be awarded.

Veterans will be required to submit all military transcripts to ACU as a condition of admission, even though some hours of military credit may not count toward ACU degree plans.

Academic Fresh Start Applicant
Dr. Eric Gumm, Registrar
ACU Box 29104; Abilene, Texas 79699-9104
Hardin Administration Building, Room 207
Phone: 325-674-2300
Fax: 325-674-6112
Email: registrar@acu.edu

Academic Fresh Start allows students who previously attended Abilene Christian University to start over and have all previous courses and grades excluded from a new degree program. All previous courses and grades remain on the student’s transcript but are not counted toward the new degree program, earned hours or GPA.

Any undergraduate student who previously attended ACU may request approval for Academic Fresh Start provided at least five years have elapsed since he or she was last enrolled in any college or university. Approval for Academic Fresh Start must be made before registering in courses.
spring semester, including freshmen, transfer students and their parents. All new undergraduate students who are beginning in the spring semester are required to attend the Wildcat Weekend session. During this program, students will receive important information about starting their journey at ACU and will meet fellow students and professors. There will also be opportunities to complete necessary placement testing, receive comprehensive academic advising and confirm their schedule.

**Testing**
Credit by Examination
Exceptional past grades or test scores indicating outstanding academic achievement may make it possible to be exempt from or to receive college credit for certain courses. This provision does not apply to the proscribed university Bible requirements (BIBL 101, 102, 211).

No credit by examination will be awarded for a course that a student has taken.
A maximum of 30 semester hours earned by examination may be counted toward an undergraduate degree. All hours of credit earned by examination will be listed on the official transcript. No tuition is charged for credit by examination, but a testing fee is charged as well as a recording fee per course credit received. Unsuccessful attempts to earn credit by examination are not shown on transcripts. For more information, contact the University Testing Center or the Admissions Office.

“Challenging” a Course
If a student wishes to attempt to earn credit for a course that is not available through CLEP, the student may approach the chair of the department offering that course about a challenge exam. Students may pick up a course challenge form in the University Testing Center. Should the challenge be allowed, the student will schedule the exam with the department.

Course challenge credit is subject to the limitations explained in the Credit by Examination section above. Because of the nature of some courses, they are not available through challenge or examination. The chair of the department will determine if the course is eligible for challenge. When credit is awarded during the first week of the semester, a full refund will be approved.

A student may not challenge or test for credit for a course when that student has already earned credit for a subsequent course in that field.
For example, a student may not challenge Beginning Spanish if the student has already taken Intermediate Spanish. In addition, students may not challenge a course they have previously audited or taken for credit.

ACT/SAT Placement Information
New students, including transfer students with fewer than 65 transferable degree credits, may be required or given the option to complete placement testing.

The following COMPASS placement tests are available:

- **Advanced Mathematics Placement Test** – required for all students majoring in math, science, engineering, computer science or pursuing a pre-health concentration (except nursing) regardless of ACT/SAT scores. This test is used for placement into MATH 109 (Precalculus I), MATH 124 (Precalculus II) or MATH 185 (Calculus I). Students who have earned credit for MATH 185 from AP or CLEP do not need to take this placement test.

- **Mathematics Placement Test** – optional for those students who scored below 20 on ACT Math or below 500 on SAT Math. This test can be taken if a student wishes to improve his/her course placement or eliminate a mathematics course which would not earn graduation credit.

- **English Placement Test** – optional for those students who scored below 19 on ACT English or 470 on SAT Critical Reading. This test can be taken if a student wishes to improve his/her course placement or eliminate an English course which would not earn graduation credit.

Placement tests may be attempted twice but must be completed before the semester begins. Students are not eligible for placement testing after beginning any MATW, MATH, or ENGL course.

**Learning Communities**
Dr. Eric Gumm, Director
ACU Box 29104; Abilene, Texas 79699-9104
Hardin Administration Building, Room 305
Phone: 325-674-2212
Email: fyp@acu.edu
Web: www.acu.edu/fyp

A Learning Community is a set of classes grouped around a common theme. For example, a community on the theme of “The Power of the Word” might include Bible, English and speech courses or the theme of “Being Counter-Cultural People” might include Bible, English and Sociology courses. While the course content will not be parallel for the entire semester, the teachers of these courses will work together to help students recognize and understand how the knowledge gained in each course relates to the learning that is going on in the other courses. Some Learning Communities may plan special group service projects or identify other opportunities to learn while doing.

Depending on the courses in the community, most groups will include 25-35 students. When a student enrolls in a Learning Community that automatically enrolls him or her in all of the classes in that community.

Learning Communities are designed to help students:
- become involved in college more quickly
- become acquainted with other students
- form student study groups
- learn more about a topic of interest
- enhance learning by seeing connections among classes
Financial Information

Phone: 325-674-2300
888-588-6083
Fax: 325-674-2963
Email: depot@acu.edu
Web: www.acu.edu/sfs

Abilene Christian University is a non-profit institution. All funds from student charges are spent to provide services related to the university’s educational mission. Other funds for operational expenses come from endowments and gifts from concerned individuals and organizations. As a policy, auxiliary operations such as cafeterias, housing and bookstores are self-supporting.

The Board of Trustees has charged the chief financial officer and his/her designees with the responsibility of enforcing all regulations for student accounts. If a student is of legal age, he or she is deemed to be the primary party liable for his or her financial obligation.

A schedule of charges detailing current tuition, fees, meal plan costs and residence hall room rent may be found at acu.edu/costs.

Financial Aid

Abilene Christian University maintains a comprehensive program of financial aid, including financial planning and consultation to help students and their families meet the expenses of a college education. Appointments with our financial aid counselors are made through the Depot.

The primary responsibility of financing a college education rests upon students and their families. Assistance from ACU and other sources should be considered as supplementary to the primary responsibility of the student and the family. ACU strives to supplement students’ needs by awarding a combination of grants, scholarships, loans and work-study for eligible students. ACU attempts to distribute all financial aid resources in an equitable manner and follow the guidelines established for federal, state, and institutional funds.

Financial aid application forms are available online. Students are encouraged to complete the Free Application for Federal Student Aid (FAFSA) found at www.fafsa.gov. ACU forms are at acu.edu/sfs/forms. These forms should be submitted by March 1 for fall enrollment and by November 1 for spring enrollment. Late applicants may find that certain forms of grant and scholarship funds are depleted by the time their applications are submitted to the Student Financial Services Office.

Satisfactory Academic Progress

Students must make satisfactory academic progress in order to maintain eligibility for financial aid. The minimum acceptable cumulative grade point average requirements are 2.0 for undergraduate students and 3.0 for graduate students. Additionally, all students must earn a cumulative minimum of 75 percent of the hours attempted. Satisfactory academic progress is generally measured once each year at the end of the spring semester. If a student fails to meet the requirements during the fall and spring semesters, summer courses may be counted in order to determine eligibility for aid.

Students who fail to meet the satisfactory academic progress standards may file an appeal to the Student Financial Services Office. The appeal must be filed prior to the start of the term for which financial aid has been denied. If a student withdraws from the university after being declared ineligible for aid, the student is required to file an appeal for aid at the point of readmission. Only those appeals approved by the Student Financial Services Office will be deemed eligible for financial aid.

Work-Study/Student Employment

Students who desire a part-time job to assist in meeting their financial obligations are encouraged to check the job postings at acu.edu/campusoffices/hr/employment, my.ACU.edu classified ads, and also to inquire at area businesses. Work-study awards are not required for on campus employment, nor is a work-study award a guarantee of a job. See acu.edu/work for more information.

Student Loan Program (more information at acu.edu/loans)

ACU participates in the following student loan programs:

- Federal Direct Loans (subsidized and unsubsidized)*
- Federal Perkins Loans*
- College Access Loans (Texas residents only)
- Federal PLUS Loans* (for parents of dependent undergraduate students)
- Alternative Loans
- Grad PLUS Loans*

Grants (more information at acu.edu/sfs)

ACU participates in the following grant programs:

- PELL – Federal Pell Grant*
- SEOG – Federal Supplementary Educational Opportunity Grant*
- ACG – Academic Competitiveness Grant* (currently not funded)
- NSG – National SMART Grant* (currently not funded)
- TEACH – Federal Teacher Education Assistance for College and Higher Education*
  *indicates a Federal Title IV program

For Texas residents only:

- TEG – Tuition Equalization Grant
- LEAP – Leveraging Educational Assistance Partnership (currently not funded)
- SLEAP – Special Leveraging Educational Assistance Partnership (currently not funded)
- Others as available

ACU Need-Based Grants

Need-based grant assistance through the ACU Grant and other programs is available on a limited basis for students with established financial need remaining after consideration of all other sources of financial support. Preference is given to those who apply early.

Scholarships

Scholarships based on academic merit as determined in the admission application process as well as scholarships awarded through other departments are available based on the specific criteria established for each program. More information is available on the Student Financial Services website at acu.edu/scholarships. Scholarships for costs exceeding tuition, books and required fees (i.e. room and board) may be taxable to the recipient.

VA Benefits

ACU is approved by the Veterans Administration to administer educational benefits for eligible veterans, servicepersons, reservists, widows and children of veterans. Eligibility and equivalent educational benefits are determined by the Veterans Administration (VA). The VA Coordinator, located in the ACU’s Registrar’s Office, coordinates the services to the students receiving veteran’s educational benefits. The certifying official collects, completes and processes the required substantiating documentation. The VA Coordinator also serves as a point-of-contact and direct liaison between the veteran, the university and the VA. The certifying official is not part of the VA, but an employee of ACU. Students receiving VA benefits may also be eligible for other financial assistance from federal, state and institutional sources. In some cases, receipt of VA benefits may reduce or eliminate eligibility for other financial assistance in order to comply with federal, state or institutional policies.

Payment Options

The first billing statement (eBill) of the fall semester will be available to the student via the Wildcat Payment Portal the first week of June. Students will receive an email to their ACU email address alerting them when a statement is available to view. The statement is provided in electronic format; no paper statements are mailed. It will include the
fall charges (tuition, fees, housing and meal plans) and financial aid
awarded. The fall financial settlement date is August 5, 2015. The
spring financial settlement date is January 5, 2016.

1) Pay the “Total Amount Due”
Pay the current total balance by the due date given on the first
billing statement for a new semester. Please be aware that this
may not be the final bill for the semester.
Subsequent monthly eBills will be generated during any
month in which activity appears on a student’s account,
including activity for adding or dropping classes, charging
books, payments made, financial aid awards granted and the
difference between actual and estimated financial aid
awarded, etc. (Estimated financial aid is aid that will pay to
your account after you have completed all necessary
requirements). No late fees will be charged if payment is
received in full by the end of the month following the
statement date. Late fees, equal to 1.242%, will be charged
each month on unpaid balances. If the total amount due on
the statement is not paid for the financial settlement date, a
payment plan or other approved payment arrangement must
be in place to begin attending classes.

2) Wildcat Pay Plan
By logging into the Wildcat Payment Portal or going to
acu.edu/payingyourbill, students may pay the net balance in
full by the financial settlement date or they may take
advantage of the 6, 5, or 4 month payment plan for the
semester by using the Wildcat Pay Plan. Each semester an
enrollment fee is charged if you choose to set up a payment
plan. Call the Depot at 888-588-6083 for payment plan
assistance. If you are enrolled in the Wildcat Pay Plan and are
current on your payments, no late fees are charged.

Payment Card Convenience Fee
Card users will be assessed a separate, non-refundable convenience fee – 2.75% of the payment amount ($3 minimum fee) – at the time of each credit or debit card payment on a student account. The convenience fee charged by TouchNet’s PayPath Payment Service covers the cost of processing credit and debit card payments. Please note: ACU will not receive any part of the convenience fee.

Billing Activity
Students may access their account information through the Wildcat Pay Portal. Students may also designate an authorized user to receive billing emails, access the student account information and make payments by completing an on-line authorization form.

Financial Responsibility
Failure to make proper payment is cause for dismissal at the discretion of the university. Official academic transcripts and diplomas will not be released unless all university-related indebtedness is paid in full.

Fees
All general required student fees (technology, safety, health, etc.) are included in the annual block or per credit hour tuition rate with the exception of the student activity fee, which is billed separately. There may be additional course/activity specific fees in addition to the tuition rate. Some examples include:

- Band fees
- Audit fees
- JMC course fee
- Music lesson fees
- Kinesiology course fees
- Personality and Career Testing fees
- Nursing fees
- Travel class and Study Abroad fees

Note: All courses with extra fees may not be listed here. Please check with the department for information concerning individual course fees.

Meal Plans
The university offers several meal plan options for students living in
residence halls and for off-campus students as well. Standard meal
plans provide daily access to the World Famous Bean. Meal plan
options include Bean Bucks, which may be used throughout the day to
purchase food at all Food Court venues as well as at the Campus Store.
See acu.edu/campusdish for more information.

<table>
<thead>
<tr>
<th>Meal Plan Options for 2015-2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Access 7</td>
</tr>
<tr>
<td>All Access 5</td>
</tr>
<tr>
<td>Lifestyle 120</td>
</tr>
<tr>
<td>Lifestyle 90</td>
</tr>
<tr>
<td>Freestyle 800</td>
</tr>
<tr>
<td>Freestyle 600</td>
</tr>
<tr>
<td>Freestyle 400</td>
</tr>
</tbody>
</table>

Minimum meal plan requirements for all residence hall students are as follows:

- Freshman and Sophomores must have an All Access plan
- All other residents must have an All Access or Lifestyle plan

Off-campus students and employees may purchase any meal plan. Students have until the 12th day of class each semester to make meal plan changes.

Meal Plans and Bean Bucks are non-refundable and expire at the end of the spring semester.

Campus Cash
Campus Cash provides students the convenience of making purchases through the use of their ID card. By purchasing Campus Cash, students may limit the amount of cash they carry on campus. Campus Cash may be used anywhere on the ACU campus. To purchase Campus Cash, a student should complete a Campus Cash Purchase Agreement form in the Depot or follow the link at https://campuscash.acu.edu. Students must have a credit balance on their account or use a credit card for the purchase. The balance carries over as long as the student is enrolled. A refund of Campus Cash in excess of $5 will be made upon request in the Depot and is issued as a credit back to your ACU account.

Annual Block Tuition
Students enrolled in the Annual Block Tuition plan may take up to 36 credit hours per academic year (billed at $15,390 per long semester in the 2015-2016 academic year). Students on this plan must be enrolled full time (12 hours or more) in the fall and spring semesters. After the add/drop period, students who withdrew from a course will not receive a refund. Classes withdrawn from will still count toward the 36 credit hour total for the academic year. Students not enrolled full time at the end of the add/drop period for the semester will be billed on a per credit hour basis and will forfeit the ability to take classes under the Annual Block Tuition plan during the academic year.

Add/Drop Period
During the add/drop period there is no penalty for adding or dropping courses. Courses dropped during this period will not appear on the student’s transcript. If enrolled in Block Tuition, classes dropped during this period will not count toward the 36 credit hour total.

Add/Drop Period:
Fall/Spring terms .......................... Through the 5th day of each semester
Summer sessions .................. Through the 3rd day of each summer session
January courses ............................. Before the first day of class
Intensive course ............................ Same as add/drop period of term
in which course is taught
Withdrawing from a Course
After the add/drop period:

- Students must officially withdraw from a course by initiating a withdrawal form.
- A withdrawal grade for the course will appear on the transcript.
- For students enrolled in Block Tuition, classes withdrawn from will still count toward the 36 credit hour total for the academic year.
- For all on-campus graduate students and undergraduate students enrolled in fewer than 12 hours refunds of tuition will be made according to the Tuition Refund Policy (above). Fees are non-refundable after the add/drop period.
- No refunds for room and board will be made for absences while enrolled in the university.
- Full-time undergraduate students may not withdraw from BIBL 101 (or BIBL 103) or any required developmental course.

Tuition Refund Policy for Individual Courses
All undergraduate students enrolled in fewer than 12 hours are billed at a per credit hour rate of $1280 (tuition and general fees). Graduate tuition is generally billed by credit hour and the rates vary by program. Students paying per credit hour may receive a refund of 100% for the first five days of class, 80% through day 12, and 60% through day 15. No refund will be made after the 15th day of classes. Other students approved to be billed on a per credit basis will follow this same refund schedule.

For January courses and summer sessions, students who are in the Annual Block Tuition do not incur additional expenses as long as the total enrolled hours do not exceed 36 within the same academic year. Students not enrolled in the annual Block Tuition are billed at $1090 per credit hour. If paying by credit hour, when a class is dropped on the first day of a short term there is a 90% refund. No refund will be made from the second day to the end of that term. Refunds for intensive courses not specifically listed above are subject to the refund schedule for courses billed by the credit hour in the term in which the course is taught, regardless of the actual date the course begins.

Tuition Refund Policy for Students Withdrawing from the University
Students that completely withdraw from the university during the fall or spring semester will receive a tuition refund based on the following schedule:

- Through the 5th day (the add/drop period) .............. 100%
- Through the 12th day ........................................ 80%
- Through the 15th day ....................................... 60%
- After the 15th day ............................................. 0%

Financial Aid Return of Funds Policy for Students Withdrawing from the University

Return of funds to Institutional Financial Aid Programs
Scholarships and grants from the university are reduced by the same percentage of any tuition refund.

Policies and Procedures Regarding the Return of Federal Title IV and Institutional Funds
Abilene Christian University calculates and returns Federal Title IV funds according to Federal Title IV policy 34 CRF 668.22. The amount of Title IV funds (other than Federal Work-Study) that must be returned to the Title IV programs is based solely on the length of time the student was enrolled before withdrawing. This policy is effective for complete or full withdrawal from a semester in which the student receives Title IV federal funds.

If the student withdraws before 60 percent of the semester has elapsed, a percentage of Title IV funds will be returned to the federal program based on the length of time the student is enrolled prior to withdrawal. For example, if the student withdraws when 50 percent of the semester has elapsed, 50 percent of Title IV funds will be returned to the federal programs. After 60 percent of the semester has elapsed, the student is considered to have earned all aid received for the semester.

The return of Federal Title IV funds depends upon the date the student withdraws during the semester.

Withdrawal date is defined as one of the following:

- The date the student began the withdrawal process;
- The date the student otherwise provided the school with official notification of the intent to withdraw;
- For the student who does not begin the university’s withdrawal process or notify the school of the intent to withdraw, the mid-point of the payment period or period of enrollment for which Title IV assistance was disbursed (unless the university can document a later date); or
- The withdrawal date is determined from class attendance records.
- If a student stops attending class, federal regulations require that ACU consider the student withdrawn for financial aid purposes.

Abilene Christian University will:
1. Determine date of withdrawal.
2. Calculate the percentage of aid deemed to have been earned by the student.
3. Calculate the percentage of aid not earned by the student, which must be returned to federal programs.

Return of Federal Title IV Funds
If the withdrawal date results in a percentage of Federal Title IV aid not earned by the student, then return of Federal Title IV aid will occur in the following order:

1. Unsubsidized Federal Direct Loans
2. Subsidized Federal Direct Loans
3. Federal Perkins Loans
4. Federal PLUS Loans
5. Federal Pell Grants
6. Federal SEOG Grants
7. Other assistance under the title for which a return of funds is required
Endowed Scholarships

The following endowed scholarships are available at ACU. They are awarded to qualified students by the appropriate department. Students do not apply for these scholarships directly. This list is updated as of March 2015; however, corrections should be reported to the catalog office.

Academic Development Center: Aubrey Green

Woodard, Wright Family, Toddie Lee Wynne Jr., Izetta Tidwell Yarbrough, Nancy Zickefoose

Gerontology: Virgil Bentley, Stella Creel and Irene Louise Childress, John Alfred Creech, Joe McKissick, Helen C. Nelson, Students of Gerontology

Global Studies: International Student, Lindsey Lee Smith (Study Abroad), Voss-Hasteline (Asian Studies)

History: COE Foundation, James W. and Clara D. Culp, Paul D. and Clara Randolph, Joe Powell and Donna S. Spaulding

International Students: Nick and Viorica Duta (Romania), Petrina Toluwalope Olorunsona

Journalism and Mass Communication: Vonda Dietz, Bradley and Corliiss Hudson Engler, Lydia Clarke Heston, Blanche and Claude Hogan, Debate: Rosemary Kincaid Memorial


Language and Literature: James W. and Clara D. Culp, Clara M. Ellis, Garrett-Watson, Jewell Watson, Jack Welch, Mima Williams, Schug-Treat

Library Science: John E. and R.L. Roberts Jr. (Exercise Science/Library Science)

Marriage and Family Studies: Stella Creel and Irene Louise Childress, Earl and Sallie Day, Norma Keeler Henry, Gail Strickland Noll, Bernice McClellan Pyeatt, Marianna and Ken Rasco, Jean Martin Sanders, Marie Wilmuth

Marriage and Family Therapy: Ethelyn "Smitty" (Smith) and F. Carl Brecheen, Fred and Consuelo Faulkner, Marriage and Family Therapy


Music: ACU Alumni Choral Society, Jack Boyd (Music), Callie Performing Arts, Marion Cawood (Voice), C.O. and Viva Croson, M.L. Daniels, Norene Watson Davis (Piano), Ewing (Vocal), Fry-Crain (Band or Orchestra), Phil and Rachel Gage, Silas Edwin George, Hall Endowed Scholarship for Voice Majors, Robert and Mary Hall Endowed Vocal, Max W. Harper (Music), Nathan and Louise Harsh, Jacque Nell Holland, Harold and Jeanette Lipford (Vocal), Marguerite and Roger Lyons, Alice Ezzel Mitchell, Charles and Betty Nelson, Lisa Pruett (Piano), Bill Reese, Camilla Browning Sellers, Tamara Thaxton (Band), Martha Tipton (Piano), Vocal Music and Lyric Theatre, Louie and Iola Faye Welch

Nursing: Dora Ely Allen, Anna Daugherty Knight, Barbara Sunderland Rives, Eva Stoll

Political Science: Trent and Nell Meaders, Ted Poe, Jack Pope, B.F. Sisk, Pat and Joanne Sublett Government Leadership, Gary and Nancy Thompson, Jeffrey L. Wendling (Criminal Justice)

Pre-Med/Pre-Dental: Mike and Sally Allen, J.R. Endsley, Roger Lee Knight, Sandie and Wayne Propst, Clark Stevens, Joseph Vironne, Dr. Perry Reeves

Science: Thurman Andress, J. Warren Jackson

Social Work: John Alfred Creech, Stella Creel and Irene Louise Childress

Teacher Education: Noma Gray Alexander, Weldon and Berdelle Barnett, Hal and Nancy Bearden, Gilmer L. and Mary Lois Belcher, Edward and Jane Coates, Merlyn Gooch Cook, Noah and Elizabeth Crisp, Sue Verneln Dodson, Walter and Jo Nell Drew, Durrington, Teacher Education Department, Dr. Orval Filbeck, Chantrey and Aynsley Fritts, Jack and Ginger Franks, Jennifer E. Graham, Greer-Cummins, George and Jewel Harris, Albert Z. and Lena L. Hayes Education, Pam Money, Dr. and Mrs. G.C. Morlan, Bert E. Mosier, Albert and Dale M. Ogren, Phillips Family, Price-Hawkins, Ben Shilcutt, Chuck Sitton, Special Education, Loy &
Academic Information

The information provided in this catalog is subject to change without notice and does not constitute a contract between Abilene Christian University and a student or an applicant for admission. The information in this catalog is current as of July 2015.

For graduate programs, consult the Graduate School section of this catalog (page 128).

Definitions and Policies

College Year
Abilene Christian University follows the college calendar set by the Texas Higher Education Coordinating Board. The college year consists of two 16-week semesters (or terms) and one summer term with sessions ranging in length from three to six weeks.

Enrollment Terms of a College Year
- Fall – a 16-week term that is completed before the Christmas holidays
- Spring – a 16-week term that is completed in early May
- Summer – beginning mid-May and ending before the fall term begins
- Intensive Courses – courses taught in an intense format within a term (e.g. January, weekends and other courses of variable length that are taught within one of the above terms)

Semester Hour (Credit Hour)
The semester hour (or credit hour) is the basic unit of college credit. The general rule is that a student receives one semester hour of credit for each class hour per week for a semester. However, two or three hours in laboratory, in studio work or in special activity classes may be required for one semester hour of credit.

Most classes meet three hours each week and give three semester hours of credit. Students should expect to spend an average of two hours of preparation outside of class for each hour of lecture or discussion in class.

Classification of Students
A student’s classification is determined by the number of semester hours successfully completed toward a degree program:

<table>
<thead>
<tr>
<th>Classification</th>
<th>Hours Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>0-29</td>
</tr>
<tr>
<td>Sophomore</td>
<td>30-59</td>
</tr>
<tr>
<td>Junior</td>
<td>60-89</td>
</tr>
<tr>
<td>Senior</td>
<td>90+</td>
</tr>
</tbody>
</table>

A graduate student is one who has completed a bachelor’s degree and is taking courses toward a graduate degree. A post-graduate student is one who has completed a bachelor’s degree and is not applying courses taken toward a degree. A special undergraduate student is one who is taking courses that do not apply toward an undergraduate degree program at ACU; such students may be taking courses for enrichment or for use on a degree program at another institution.

Full-time and Part-time Status
An undergraduate student must be enrolled for at least 12 hours in fall or spring to be considered a full-time student at ACU. Undergraduate students enrolled in fewer than 12 hours and graduate students with fewer than 9 hours in a long term are classified as part-time unless they are enrolled in student teaching or completing final graduation requirements in fewer than 12 hours.
Academic Integrity
ACU expects its students to practice absolute academic integrity. Plagiarism, cheating and other forms of academic dishonesty are not acceptable at ACU. Students should consult the university’s Academic Integrity Policy (located in the Student Guide, found at acu.edu/academic-integrity) for a fuller description of the expectations of students and procedures for dealing with violations of the policy.

Check In
Each semester, all students will be required to check in to verify their attendance at ACU for that semester. This process occurs electronically through the my.acu.edu student portal during the first week of classes.

Students who fail to check in will be treated as non-attendees and administratively withdrawn for the semester to avoid incurring financial charges. A student who is administratively withdrawn is dropped from all classes, removed from housing and financial aid, and dropped from meal plans.

Students who successfully complete the check-in process are agreeing to the schedule for which they are registered. Thus, students who check-in but never attend a particular class on their schedule will not be eligible for a refund for that course because of non-attendance.

Class Attendance
ACU expects students to attend and participate in all class and laboratory meetings. Students must adhere to the policies published in each course syllabus. ACU normally offers classes in a series of regularly scheduled meetings. The most common patterns are Monday-Wednesday-Friday, Tuesday-Thursday, and once-per-week. Some classes have regularly scheduled laboratories (labs).

Students are responsible for initiating a Withdrawal from Class form for any class that they have never attended or have stopped attending. If students do not initiate a withdrawal form, one of the following actions may be taken:

- The professor may initiate a withdrawal for a student who has violated the attendance policy as stated in the course syllabus. A “W” or “WF” grade will be assigned at the discretion of the professor;
- The professor may choose not to initiate a withdrawal form and simply assign a grade of “F” at the end of the semester.

Faculty who initiate Withdrawal from Class forms must designate whether the student is to receive a “W” or “WF” and provide the last date the student attended the course. After the 12th week of the semester, students may not withdraw from courses; however, a professor may withdraw a student for non-attendance up to the last day of class but only with a grade of “WF.”

Withdrawal from a Course
If it becomes necessary to withdraw from a course, the student should visit first with his or her academic advisor and the instructor of the course. The advisor will provide instruction on completing a Withdrawal from Class form. Full-time undergraduate students may not withdraw from BIBL 101 (or BIBL 103) or any required developmental course.

For the refund schedule for withdrawing from a class or from the university, please see the Financial Information section in this catalog (page 20). A withdrawal fee is charged when a student withdraws from a course.

The last day to withdraw from a course is:

- Friday of the 12th week of a long term;
- The corresponding day when 80 percent of the course is completed for other short sessions (ex., Summer Session I).

Concurrent Enrollment Policy
ACU students are generally expected to take their courses at ACU. Only in exceptional circumstances may students petition, in advance, to receive credit for a course at another institution during a semester that they are enrolled for courses at ACU. Concurrent enrollment includes correspondence, distance, and on-line courses. Petitions for concurrent enrollment must be approved by the advisor, dean of the student’s major, and the provost.

By government regulations, only courses taken within the intercollegiate agreement (ACU, Hardin-Simmons, and McMurry) and other contracted programs that post grades to the ACU transcript can be accepted for financial aid eligibility. Generally, courses from other colleges or universities will not count as hours enrolled for financial aid eligibility.

Changing or Adding a Major
To officially add or change majors, a student must submit an approved Change of Program request to the Registrar’s Office. Change of Program forms are available in the Registrar’s Office or online at acu.edu/registrar under the “Forms” link.

Final Examinations
Final examinations are given during the last four days of each fall/spring term and the last day of each summer session or intensive course. Final examinations for a lab course may occur during the final week of the semester. A student with more than three final examinations on one day may petition the dean of his or her major to take a final after the scheduled time. Final examinations are never given in advance.

Withdrawing from the University
Students who must withdraw from the university or from their last course are required to complete a Withdrawal From the University form in the Student Life Office. This process must be completed prior to the beginning of final examinations. Graduate students may obtain the form in the Graduate School Office.

Medical Withdrawal
A student who is involuntarily withdrawn, or obtains a voluntary medical withdrawal, may not re-enroll or be re-admitted to the university before the start of the next semester. In most cases, a Student Life hold may be placed barring the student from registering for future semesters until approval is obtained. The Dean of Students or designee, in collaboration with the University Readmission Committee, must approve the student’s re-enrollment or readmission. Approval may be granted only if the dean, after consulting appropriate university staff and/or the student’s physical or mental health professional, determines in his/her professional judgment that the conditions that caused the withdrawal do not pose a direct threat or harm to the student or others and will not significantly disrupt the ability of other students, faculty or staff to participate in university activities, academic programs, or employment. The dean may require any documentation or evaluation that he/she deems necessary in making this determination. The student must also meet all of the admission and enrollment requirements of the university and of the school or college in which he/she wishes to enroll.

Transcripts
To order an official transcript contact:
Office of the Registrar
Web: www.acu.edu/transcript
Email: transcriptrequest@acu.edu
Fax: 325-674-2238

All requests for official transcripts must be in writing and bear the signature of the person whose record appears on the transcript.

- Transcripts will be released to students who are in good standing with the university.
- Transcripts will be processed only upon the signed request of the student and after all bills and “holds” have been cleared.
- All students who have had a loan, upon leaving ACU, must complete a federally-required exit interview in Student Financial Services before transcripts can be released.

No changes will be made to a student’s transcript after the degree has been posted.

Students may review their academic history on the Web via my.acu.edu regardless of outstanding bills or holds.
Registration

Undergraduate Course Load
The minimum undergraduate graduation requirement, 128 credit hours, requires the equivalent of eight semesters with a 16-hour load. Intercollegiate courses are included in the semester course load. Students should consult with their academic advisor to help them determine the appropriate course load.

No student may register for more than 21 hours in a fall or spring term. (January intensive courses are included in the spring term course load.)

Summer Term
An undergraduate may take no more than 18 hours during the summer term. It is recommended that students do not take more than one course per summer session due to the intensive nature of each course. It is recommended that a student have a GPA of at least 3.0 and a limited work load outside of class.

Academic Advising
Abilene Christian University considers competent academic advising a vital responsibility in educating its students.

Students who have declared a major are assigned two advisors:

- A degree plan specialist who assists students with their degree plan, advising release codes, degree evaluations, the graduation process, and other technical aspects of completing a degree.
- A faculty advisor who assists students in developmental goals, internship/research opportunities, and program/vocational decisions.

Undeclared students are advised in the Academic Development Center until they have chosen a major.

Other advising requirements:

- All freshman, sophomore and undeclared students must meet with their degree plan specialist or faculty advisor prior to registering for courses each semester.
- Students on academic probation or juniors and seniors with a GPA below 2.5 must meet with their degree plan specialist or faculty advisor before registering for courses.
- Some academic departments may require all students to meet with a degree plan specialist or a faculty advisor prior to registering for courses. Check with the department chair or degree plan specialist of your major.
- All students should meet with their faculty advisor at least once a year.

For more information about advising, contact:
Office for University Academic Advising
ACU Box 29104; Abilene, Texas 79699-9104
Hardin Administration Building, Room 305
Phone: 325-674-2212
Email: advising@acu.edu
Web: www.acu.edu/advising

Enrollment Requirements
All new students (including all students matriculating from high school in 2015) must enroll in BIBL 101 (or BIBL 103 for transfer students with 24 or more hours accepted for transfer) and CORE 110 in their first semester. Transfer students (who matriculated from high school prior to 2015) with 24 or more hours must enroll in BIBL 103 and CORE 115 in their first semester.

Full-time undergraduate students may not withdraw from BIBL 101 (or BIBL 103) or any required developmental course. Students who do not successfully complete CORE 110 or CORE 115 in their first semester must be registered for the course in the following semester until the course is completed.

All students who are placed in ENGL 106/107 must begin the course sequence in their first semester. All students who are placed in ENGL 111 must enroll in the course in their first year. Students may wait until their sophomore year to begin literature requirements.

Each semester, students must register in required developmental (ENGL and MATW 0***) courses until all developmental requirements are completed. Students must complete these requirements before registering for upper-level courses in their major field. Students may not drop or withdraw from ENGL 003, 004, 106/006, 107/007, and MATW 019.

Auditing Courses
Students who wish to audit a course should see the instructor for the course and the chair of the department (of the course) on the first day of class in order to request permission to audit the course. An approved request to audit a course must be submitted to the Registrar’s Office by Friday of the second week of the long term or the equivalent date of a summer session or intensive course. Some courses are not available as audit courses. Once a student begins auditing a course, they may not choose to take that course for credit during the audit term.

The nonrefundable fee for auditing a course is $35. However, certain courses may have additional fees for auditors. Please check with the department of the course offered.

Add/Drop Policy
During the add/drop period there is no penalty for adding or dropping courses. Students may adjust their course schedule during the add/drop period with a full refund of tuition and fees. Courses dropped during this period will not appear on the student’s transcript. For students on the Annual Block Tuition plan, the courses for which the student is registered after the end of the add/drop period will be the hours counted against the Annual Block. Refer to the Academic Calendar on the Registrar’s Office web site for specific dates for each term.

Late Registration
Registration ends on Friday of the first week of classes of the fall and spring semesters. Students wishing to register for a class after the first week must complete a Late Add Petition, which must be signed by the course instructor, the student's advisor, and the dean of the college, in which the course is taught. A late fee of $10 per course will be assessed for students who add or change classes.

During the summer term, students wishing to register for classes after the class begins must complete a Late Add Petition. A late fee of $10 per course will be charged.

Students who were not enrolled at ACU during the first week of classes may not enroll after the last date of the add/drop period without special permission. A $50 late fee will be charged for students who register for all of their classes after the add/drop period.

Intercollegiate Enrollment

Office of the Registrar
ACU Box 29141; Abilene, Texas 79699-9141
Hardin Administration Building, Room 207
Phone: 325-674-2235
Fax: 325-674-2238
Email: registrar@acu.edu
Web: www.acu.edu/registrar

Students enrolled at ACU may request to concurrently register for courses at Hardin-Simmons University and McMurry University. The three universities have entered into an agreement whereby students who are matriculated in any one of the universities may be able to register for courses at the other universities. This is typically utilized when a required course is not available at the university where the student is pursuing his or her degree. Courses taken by ACU students through intercollegiate enrollment count toward degree requirements, provided approval has been secured in advance. It is the student’s responsibility to make certain that courses taken through this arrangement will satisfy his or her individual degree requirements. (Courses taken under the intercollegiate agreement are not considered transfer courses.)
ACU students may take no more than 9 hours of classes through the intercollegiate agreement each semester and must be enrolled in at least 3 hours at ACU for that term.

Students taking courses through intercollegiate registration will be charged ACU’s current tuition rate. Billing is handled by the institution in which the student is pursuing their degree. All intercollegiate enrollment requests must follow the procedure below:

1. The student should obtain a Request for Intercollegiate Enrollment form from the Registrar’s Office.
2. The student should secure approval and signatures from his or her academic advisor and the department chair of the course, then submit the form to the college dean of the course.
3. The Dean’s Office will forward the form to the Provost’s Office. The student will receive communication from the Registrar’s Office whether the intercollegiate enrollment was approved.
4. If the intercollegiate enrollment is approved, the Registrar’s Office will inform the student of the appropriate next steps.

Students from either Hardin-Simmons University or McMurry University who wish to enroll in ACU hours need to first see the Registrar’s Office at their institution. Students will receive a form granting permission to take courses at ACU. This form should be brought to the ACU Registrar’s Office, where the student will be processed and registered in the appropriate courses.

**Transferring Credit**

All course work from any institution will be evaluated according to the following policies or according to a specific transfer articulation agreement with the prior institution. How transfer credit is applied toward an ACU undergraduate degree depends on an evaluation of each course to determine its comparability in content and semester-hour credit to a corresponding ACU course or degree requirement.

The following policies are in effect for all incoming transfer work from regionally accredited institutions, whether that work is done prior to attending ACU or after ACU enrollment has begun:

1. **Transfer courses with a grade of “C” or higher from regionally accredited institutions will be posted to the student’s ACU record and may count toward hours in a degree if the credits are appropriate. Courses taken as pass/fail or credit/non-credit from other institutions will not be accepted unless the college specifically states that the credit for the course is the equivalent of “C” work or better.**
2. Transfer courses will be posted at the same level they were taken at a previous institution. When an accredited course does not have a comparable equivalent at ACU, the accredited course is counted as an elective. Accredited transfer courses may be grouped to meet comparable requirements at ACU.
3. **ACU does not offer nor accept college credit for vocational/technical training or for work force education courses. Courses which are considered Freshman Orientation courses or other types of University Seminar courses are not accepted. Courses which are repeated over multiple semesters with the same number and/or course description are transferred into ACU only once; i.e., PEAC activity courses, varsity sports participation, music lessons, etc.**
4. **Evaluation of transfer work intended to meet specific ACU degree requirements is the responsibility of the chair of the department offering the comparable course at ACU.**
5. **No more than 66 semester hours of credit from a community, junior or other two-year college may be applied toward an ACU degree and a student may only take up to 6 hours from a community, junior, or other two-year college after the student has more than 60 earned hours.**
6. A student who transfers two different PEAC activity courses to ACU is exempt from taking PEAC 100. (The maximum number of activity courses required for an ACU degree is two.) Extra PEAC courses may count as general electives: activities (limited to two 1-hour courses) and lectures (unlimited).

7. Grades for transfer courses are not included in the student’s GPA at ACU.
8. ACU will transfer a course from another institution for the same number of credit hours as the comparable ACU course. Additional hours from a course, such as when a course is listed as 4 hours elsewhere, but only 3 hours at ACU, are posted as general elective credit. ACU transfers four hours of physical training from military transcripts as three hours of the General Education PEAC requirement and one hour of general elective credit.
9. Credits will be posted when official transcripts reach the ACU Registrar’s Office from the issuing university and have been evaluated.
10. **Courses taken at international institutions that are comparable to U.S. courses must be credited in college credit hours.**
11. Once a student enrolls as a degree-seeking student at ACU, the number of hours that can be taken at other higher education institutions is limited. Students who enroll with fewer than 30 hours of college credit may take up to 15 hours at other regionally accredited institutions, no more than 9 of which can be lower division courses (100-200 or equivalent). Students who bring 30-59 hours to ACU at the time of enrollment may take up to 12 hours at other regionally accredited colleges or universities, with no more than 6 hours being lower division. Students who enroll with 60 or more hours may take up to 9 hours elsewhere, with a maximum of 6 lower division hours.
12. To be eligible to graduate with honors (summa, magna, cum laude), students must have completed 64 hours of course work at ACU.
13. After enrolling at ACU, students must take no more than one university required course in English at another institution.

**Graduate Work for Undergraduate Students**

Students within 9 hours of graduation may petition the graduate dean to take up to 6 hours of graduate level course work at ACU for graduate credit. Before registering for graduate courses written approval must be obtained from:

- the student’s academic advisor
- chair of the department in which the course is offered
- dean of the graduate school

**Grading**

**Grade Definitions and Points**

The following grades are used at ACU. The grade point values shown are per semester hour of credit.

<table>
<thead>
<tr>
<th>Grade Marks</th>
<th>Grade Meaning</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4.0</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3.0</td>
</tr>
<tr>
<td>C</td>
<td>Average</td>
<td>2.0</td>
</tr>
<tr>
<td>D</td>
<td>Inferior but passing</td>
<td>1.0</td>
</tr>
<tr>
<td>F</td>
<td>Failing</td>
<td>0.0</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>0.0</td>
</tr>
<tr>
<td>IP</td>
<td>In-Progress</td>
<td>Not counted</td>
</tr>
<tr>
<td>P</td>
<td>Passing</td>
<td>Not counted</td>
</tr>
<tr>
<td>CR</td>
<td>Credit</td>
<td>Not counted</td>
</tr>
<tr>
<td>NC</td>
<td>No-Credit</td>
<td>Not counted</td>
</tr>
<tr>
<td>W</td>
<td>Withdraw</td>
<td>Not counted</td>
</tr>
<tr>
<td>WF</td>
<td>Withdraw while failing</td>
<td>0.0</td>
</tr>
</tbody>
</table>

Students receive grades by accessing my.acu.edu. Students who have signed and submitted an Education Record Information Release form have authorized ACU personnel to release academic information, on request, to the person(s) designated on the form by the student.
Academic History and Grading Appeals
The grade of the student becomes a part of that student's permanent academic history. The transcript is the document that provides a record of the student's academic performance at ACU. Because of the necessity of the permanency of these records, grades for a course become part of academic history after one long semester has passed and may not be changed except in extraordinary circumstances and by special permission granted by the Office of the Provost.

The procedure for grade dispute resolution is as follows: The student is to begin at the initial level of the dispute. Thus, the student should attempt to resolve the dispute with the professor in question. The student may then go to the department chair who normally resolves all disputes within the department. The student, however, may appeal the department chair’s decision to the college dean, then to the provost whose decision is final. As stated above, after one long semester has passed, no appeals will be considered.

Incomplete and In-Progress Grades
A grade of “I” (Incomplete) must be removed by the end of the next long term or by the time approved in writing by the instructor; otherwise, it becomes an “F” on the student’s record. The student is responsible for requesting and completing an “I.” (A grade of “I” is calculated in the GPA as an “F.”)

The grade “IP” (In-Progress) is normally reserved for graduate students in graduate courses. It may be used with special permission for unusual circumstances for an undergraduate student or an undergraduate course. In the event an “IP” is assigned, the student will have the next long term or until the time set in the student’s agreement with the instructor to complete the course work; at the end of the next long term, the grade will become an “I.” At the end of the second long term, the “I” will become an “F.”

A student who is graduating should finish any incomplete courses prior to the semester in which he or she is graduating. Students must complete all courses graded “I” or “IP” in order to participate in commencement.

Credit/No-Credit Grades (CR/NC)
Undergraduate students who have sophomore standing and a GPA of at least 2.0 may take a limited number of courses on a Credit/No-Credit basis. The purpose of this option is to allow students to take courses that will broaden their educational experiences, with less emphasis on grades and grade points. The following rules apply:

- A student may request the Credit/No-Credit option in the Registrar’s Office within the first two weeks of the fall or spring semester or within the first two days of a summer session or on the first day of an intensive course (advisor’s signature required). The teacher will assign a letter grade at the end of the semester, but a grade of “D” or above will be recorded as “CR.” Incomplete grades (I or IP) are not appropriate and may not be assigned for a CR/NC course.
- The student receives earned credit hours for a “CR” grade, but the hours are not counted in computing the GPA.
- A maximum of 12 hours may be taken Credit/No-Credit. These must be courses that are electives in the student’s degree plan and are outside the major field of study.
- No course in which a student has received a letter grade may be repeated on the Credit/No-Credit basis. Courses offered as “CR/NC” in the course description are not included in the maximum hours a student may elect under this option.

Pass/Fail Grades (P/F)
Students may take PEAC activity courses Pass/Fail, except for PEAC 100. Any student who wishes to do so must complete a petition in the Registrar’s Office within the first two weeks of a long term or within the first two days of a summer session. A “Pass” grade is not figured into the GPA. A “Fail” grade counts as an “F.” Other courses may be designated Pass/Fail in the Course Descriptions section of this catalog beginning on (page 165). Students should be aware that some graduate schools will not accept Pass/Fail grades and/or will automatically count them as a grade of “C.” Some schools will not transfer Pass/Fail grades.

Midterm Grades
During the fall and spring semesters, undergraduate students receive a midterm grade for each course. Midterm grades and their definitions are listed below. Students who receive “Unsatisfactory” or “Not Passing” midterm grades are encouraged to discuss their course problems with the instructor and their academic advisor as appropriate.

- S = Satisfactory progress
- U= Unsatisfactory progress (assigned to students who in the instructor’s estimation are not doing work equal to their potential)
- NP = Not Passing

Repeating a Course
If an undergraduate student repeats a course at ACU, a record of all occurrences of the course will appear on the transcript but only the most recent grade will be counted in his or her GPA.

No course in which the student has received a letter grade may be repeated on a Pass/Fail or Credit/No-Credit basis.

Grade Point Average
A student’s grade point average (GPA) is based on courses taken at ACU. It is determined by dividing the total number of grade points by the total number of hours attempted (not including hours where grade points are not counted). “Current GPA” is a student’s GPA for a single term; “cumulative GPA” is the overall GPA for all the terms a student has been enrolled in ACU.

To qualify for Latin honors at commencement, a student must have completed 64 hours at ACU in addition to having the required GPA. Honors are based on the current GPA at the time of commencement. If the final semester’s grades alter the student’s standing, the correct honor will be noted on the diploma.

Calculating Grade Point Average
Quality (Grade) Points ÷ GPA Hours = GPA

A grade point average (GPA) is calculated by using the formula above.

1. Quality points are hours attempted multiplied by grade points awarded. (Refer to the Table of Grade Definitions and Points.)
2. GPA hours are all hours graded (including grades of “F,” “WF” and “I”), minus ungraded hours (“CR” or “P”).

Deans’ Honor Roll
During any term in which undergraduate students achieve a term current GPA of 3.6 or above and are registered for 12 or more hours with no “F” or “WF” grades, they will be included in the Deans’ Honor Roll for that term.

Academic Standing
Good Standing
Students are in good standing if their cumulative GPA is at least 2.0. A higher GPA is required by some majors for their students. These requirements are specified in the departmental sections of this catalog. Good standing is not noted on the student’s transcript.

Academic Probation
Students are placed on academic probation following any semester in which their semester GPA is below 2.0 or after which their cumulative GPA is between 1.0 and 1.999. In addition, students who are successful in the appeal of their academic suspension are automatically placed on academic probation.

All freshmen who are placed on academic probation and new students who are admitted with a Learning Strategies requirement must enroll in UNIV 011, which does not count toward degree requirements.

Students on academic probation are not permitted to be candidates for or to hold any elected or appointed office, or participate in Study Abroad. There may be other extracurricular opportunities which are limited for students who are on academic probation.
When students are placed on academic probation, the number of hours for which they may register is determined by their probation contract. Probation contracts are developed and managed by the student’s college dean or, in certain cases, the Academic Development Center (ADC).

The general guidelines for determining course load are based on GPA. Nineteen hours is the maximum load that a first-semester student is allowed to carry. After the first semester, the maximum recommended course load, for a regular term, based on GPA is as follows:

<table>
<thead>
<tr>
<th>GPA</th>
<th>Course Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0</td>
<td>15 hours</td>
</tr>
<tr>
<td>2.0 – 2.499</td>
<td>16 hours</td>
</tr>
<tr>
<td>2.5 – 3.499</td>
<td>17-18 hours</td>
</tr>
<tr>
<td>3.50 or above</td>
<td>19-21 hours</td>
</tr>
</tbody>
</table>

**Academic Suspension**

Students are suspended after any term (fall, spring, summer) in which they meet any of the following conditions:

- Enrolled in 12 hours or more AND cumulative GPA below 1.0
- Enrolled in 12 hours or more AND on academic probation the previous term AND term GPA below 2.0
- Enrolled in 12 hours or more AND on academic probation the previous term AND term GPA below 2.5 AND cumulative GPA below 2.0

Students who are suspended after the spring term, due to the schedules for summer classes, may remain in any previously enrolled summer I classes. All other summer and fall classes will be dropped as a result of the suspension.

The following chart defines the process of academic probation and suspension and what criteria determine placement of the student into the appropriate academic standing. In the chart, “Previous Term Status” refers to the academic standing at the end of the last semester that the student attended (or at admission). The GPA columns and the “New Term Status” refer to the GPAs and status of the student at the end of the current term.

<table>
<thead>
<tr>
<th>Previous Term Status</th>
<th>Term GPA</th>
<th>Cumulative GPA</th>
<th>New Term Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Good Standing</td>
<td>2.0 or greater</td>
<td>2.0 or greater</td>
<td>Good Standing</td>
</tr>
<tr>
<td>Good Standing</td>
<td>1.99 or less</td>
<td>2.0 or greater</td>
<td>Academic Probation</td>
</tr>
<tr>
<td>Good Standing</td>
<td>Any</td>
<td>1.99 or less</td>
<td>Academic Probation</td>
</tr>
<tr>
<td>Good Standing</td>
<td>Any</td>
<td>.99 or less</td>
<td>Academic Suspension</td>
</tr>
<tr>
<td>Academic Probation</td>
<td>2.0 or greater</td>
<td>2.0 or greater</td>
<td>Good Standing</td>
</tr>
<tr>
<td>Academic Probation</td>
<td>1.99 or less</td>
<td>2.0 or greater</td>
<td>Academic Suspension</td>
</tr>
<tr>
<td>Academic Probation</td>
<td>2.49 or less</td>
<td>1.99 or less</td>
<td>Academic Suspension</td>
</tr>
<tr>
<td>Academic Probation</td>
<td>2.5 or greater</td>
<td>1.99 or less</td>
<td>Academic Probation</td>
</tr>
</tbody>
</table>

Students who have been suspended for academic reasons may apply for readmission after being out of school for at least one long term. In all cases of academic suspension, the University Readmission Committee will decide if the student should be readmitted, and if so, whether special conditions should be required for readmission. It is strongly recommended that students on academic suspension take a full-time academic load (12 hours or more) at another institution and achieve a 2.5 or above GPA on those hours. Failure to take classes away from ACU may result in being denied readmission when you reapply. When students are readmitted after suspension, they are placed on probation for one semester and may not be eligible for some forms of financial aid. (See page 17 for information about readmission).

**Degree Requirements**

**Student Responsibility**

This catalog is designed to make planning and scheduling a degree program as simple as possible. Each student at Abilene Christian University should keep in mind, however, that he or she alone is ultimately responsible for understanding and fulfilling all degree requirements. Students are responsible for their own degree plans and for the completion of all requirements for the degrees which they seek.

**Catalog Year**

Each student will be assigned a catalog year, which indicates the set of requirements the student must meet in order to graduate from ACU. A student may use any catalog year that falls within the time the student attended ACU, from the initial year of enrollment until the year of graduation. However, a student may not use a catalog that is more than six years old at the time of graduation. Thus, this catalog expires in August 2021.

Note that each degree-seeking student must fulfill certain requirement areas:

1. **University Requirements** (including additional requirements based on high school foreign language, if necessary)
2. **Major requirements** (including supplements and minors, if applicable)
3. **Electives** (to achieve minimum upper level and total hour requirements)

**Admission to Major**

1. **Teacher Education** majors should apply for admission to the Teacher Education Program with the Department of Teacher Education during the second semester of their sophomore year, or near the end of their first semester at ACU if they are transfer students. Applicants must have a minimum GPA of 2.75 for admission into this program.
2. **Social work, nursing, communication sciences and disorders,** and all business majors must also apply for formal admission to upper-level programs. (See departmental sections of this catalog.)
3. See the appropriate departmental section for information on admission to a specific major.

**General Requirements for the Associate’s Degree**

1. The Associate’s degree requires a minimum of 64 semester hours applicable to that degree.
2. A cumulative grade point (GPA) of at least 2.0 in courses from ACU is required.
3. A minimum of 32 semester hours applicable to the degree must be completed at ACU.
4. Admitted students who have not earned at least two high school units of the same foreign language will have an admission deficiency. Admission deficiencies may be removed as prescribed in the section on University Requirements.
5. Latin honors are not awarded for the associate’s degree.
6. Students must meet the specific course requirements for any degrees that ACU offers. Satisfactory completion of 64 hours and the ACU University Requirements for a major leading to a Bachelor’s degree are not sufficient to award an AA degree.

**General Requirements for Bachelor’s Degrees**

Graduation requirements include University Requirements, major requirements (departmental requirements) and electives. To determine the number of hours required for a given degree in any major, add the University Requirements, the major requirements and the electives, which may be adjusted to reach the minimum number of hours required for the degree sought.
1. All Bachelor’s degrees from ACU require a minimum of at least 128 semester hours applicable to that degree. Teacher certification and certain other degrees may require more. (See specific degree requirements.)
2. Each degree requires a major of at least 30 hours in addition to the University Requirements.
3. A minimum of 18 hours in the major field must be upper level hours, and at least 9 of these upper level hours must be taken at ACU.
4. The University Requirements consist of 56 hours for all degrees other than the BFA, BM, BSN, teacher certification and cooperative degrees. See each major section for details.
5. Certain courses that are required by each major may also count as University Requirements. See the individual degree plan for details.
6. No minor is required by the university. However, the major field may require a minor or supporting courses outside the major. Many departments offer minors of at least 18 hours, and a student may elect to add a minor to any degree. Minors have specific requirements (see the appropriate departmental section of this catalog or the departmental advisor for approved minors).
7. Admitted students who have not earned at least two high school units of the same foreign language will have an admission deficiency. Admission deficiencies may be removed as prescribed in the section on University Requirements.
8. Most degree plans include a minimum of 6 semester hours of electives. However, deficiency in entrance requirements in foreign language may count as elective hours. Such courses may count toward the hours required for the degree.
9. All courses numbered 0**, including but not limited to UNIV 011, UNIV 012, ENGL 003/004, MATW 019, and English as Second Language (FLEN) courses, will not count toward hours required for a degree.
10. No more than 5 hours of PEAC activity courses may count toward graduation. An unlimited number of kinesiology lecture courses may count toward general electives.
11. A student must take at least 40 hours in residence at ACU to earn a degree, including the last 24, which must be taken in residence at ACU.
12. A minimum of 33 hours of upper level, i.e. advanced (300-499) work, is required, 24 of which must be taken in residence, including 9 in the major field.
13. An overall grade point average (GPA) of at least 2.0 on courses from ACU is required for the BA and BS. An overall GPA of at least 2.25 is required for the BFA, BM, and BSN. A cumulative GPA of at least 2.75 is required for all teacher certification programs. Specific majors and colleges may have GPA requirements above these stated minimums.
14. Each student will be required to take a course designated as “Writing-Intensive” in his or her major field. Writing-Intensive courses integrate instruction and practice in writing into upper-level content courses to assist students in becoming effective writers in a specific discipline. Students should contact their academic advisor to determine the correct Writing-Intensive course for their major.
15. Each student will participate in a senior year integrative Capstone experience. This requirement will challenge the student to critically analyze, reflect, and write about the major discipline from the perspective of a Christian worldview. Capstone experiences may take the form of a single course or a cluster of courses designed to meet the Capstone goals.
16. No changes, including majors, minors, concentrations, or changes to coursework, will be made to a student’s transcript after the degree has been awarded.

Double Major
Sometimes it is possible to meet the requirements for two majors in one degree (BS, BA, BBA, etc.). To complete a double major, a student must meet the degree requirements for both majors. To do so may require more than 128 credit hours.

Second Bachelor’s Degree
- **Current** students who wish to complete majors in two different degrees (e.g. BS and BA, etc.) must complete at least 24 credit hours beyond requirements for the first degree (at least 152 hours) and must meet all university and major field requirements for the second degree.
- **Previously degreed** students who have been awarded a previous baccalaureate degree and pursue a second baccalaureate degree must complete at least 24 credit hours beyond requirements for the first degree (at least 152 hours) and must meet all university and major field requirements for the second degree. This applies to students who received their first degree from ACU as well as those who received degrees from other schools.

Bachelor of Arts Degree
For all Bachelor of Arts degree programs having a requirement for “foreign language – sophomore level – 6 hours,” that requirement will be satisfied upon completion of the Bachelor of Arts requirement for English - composition. ENGL 112 (3) and a second Literature course (3) for students who qualify as non-native speakers of English.

Under this special provision, college credit will be granted for the English courses, but **not for any ESL (English as a Second Language) course. Students will still need to complete the prescribed number of hours for particular degree programs (usually this will mean that a Bachelor of Arts degree student will need an additional 6 hours of electives to replace the 6 hours of foreign language that were satisfied by the alternative means outlined above).**

Composite Interdisciplinary Degree
An individualized composite interdisciplinary major (CIND) may be approved for a student whose life and career goals will be served by such a major. The student must work with the appropriate academic advisor(s) and the Registrar’s Office to design the degree plan, which will include the appropriate University Requirements. The Registrar will then assign a primary advisor to work with the student (see Composite Interdisciplinary Degree Program for additional details [page 124]).

Pre-Professional and Cooperative Degree Programs
Abilene Christian University offers several pre-professional programs. In general, the student attends ACU for one to four years and then transfers to a professional school to complete the degree. (For more information, see the appropriate departmental sections of this catalog.)

Pre-law may also be considered a pre-professional degree, but there is no mandatory course of study for pre-law students. The Association of American Law Schools suggests the following basic skills and insights be developed by pre-legal education: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and creative power in thinking. The self-discipline and study habits required in law school should be developed in undergraduate courses. Students are urged to consult the pre-law advisor for more specific information.

Cooperative degree programs require students to do part of their work at ACU and part at a professional school, and the students may receive a degree from ACU and from the other school. For example, the pre-medical cooperative degree permits a student to spend three years at ACU and then to receive a bachelor’s degree from ACU after completing the first year in medical school. For more information about any of these degree programs, contact the Admissions Office or the appropriate academic advisor.
Minors at ACU

For most majors at ACU a minor is optional. The minimum requirements for a minor are 18 credit hours with a minimum of 6 advanced hours. See the appropriate section of the catalog for specific details on a particular minor.

The following minors are offered at ACU and can be added to most majors, see corresponding page number for further information.

Advertising and Public Relations (p. 71)
Aging Studies (p. 125)
Agricultural Studies (p. 43)
Art (p. 48)
Art Therapy (p. 48)
Bible, Missions, and Ministry (p. 96)
Biological Science (p. 53)
Business Administration (p. 103)
Chemistry (p. 57)
Child and Family Services (p. 98)
Coaching (p. 113)
Communication (p. 58)
Computer Science (p. 107)
Convergence Journalism (p. 71)
Criminal Justice (p. 88)
Digital Entertainment Technology (p. 107)
Digital Media (p. 70)
Engineering Science (p. 63)
Environmental Studies (p. 43)
Ethnic and Women’s Studies (p. 67)
French (p. 75)
Global Studies (p. 66)
Graphic Design (p. 49)
History (p. 66)
Information Technology (p. 107)
Interior Design (p. 49)
Leadership Studies (p. 60)
Mathematics (p. 79)
Media Studies (p. 71)
Music (p. 85)
Nutrition (p. 113)
Peace and Social Justice (p. 88)
Philosophy (p. 124)
Physics (p. 63)
Political Science (p. 88)
Professional Writing (p. 73)
Psychology (p. 90)
Public Service (Pope Fellows only) (p. 89)
Sociology (p. 59)
Spanish (p. 75)
Theatre (p. 92)

Undergraduate Graduation

Preparing to Graduate

- Each fall, students with more than 90 hours will receive an email with a link to the Commencement Information Form. This form will allow the student to communicate their expected date of graduation to the Registrar’s Office.
- During the semester before graduation, students should run an online Degree Evaluation and visit with their academic advisor about the schedule for their last semester.
- Students should submit all CLEP tests and transcripts for transfer work before their last semester.
- Students who do not complete graduation requirements in the semester for which they intended to graduate must declare a new graduation date with the Registrar’s Office.
- Students with outstanding incomplete grades will not be allowed to participate in the commencement ceremony.
- All holds on a student’s account must be removed before the student may purchase academic regalia, participate in commencement, or receive their diploma.

Graduation with Latin Honors

Latin honors designated at commencement are based on the student’s cumulative GPA and the number of hours earned at ACU by the end of the previous semester and are subject to change. In order to qualify for Latin honors, baccalaureate students must have completed at least 64 hours at ACU. Earned hours must have been completed and graded prior to commencement to be included in the determination of eligibility. Students whose averages are at least 3.6 graduate cum laude (with honor), 3.75 graduate magna cum laude (with high honor), and 3.9 graduate summa cum laude (with highest honor) will have the appropriate designation noted at commencement. Courses taken Credit/No-Credit, Pass/Fail, or any Credit by Exam do not count toward GPA requirements for honors. If a student’s qualification changes after their final semester, then their diploma and transcript will reflect the correct honors.

Class Rank

ACU does not rank students within the graduating classes, nor does the university provide information about where students fall by quartile with a graduating class. With multiple graduations per academic year, and because students graduating in the same academic year are meeting requirements from different catalog years (and thus, different curricula), the class rank or quartile rank is an invalid assessment of comparative ability for individual students.
Student Life

Chris Riley, Vice President for Student Life
ACU Box 29004, Abilene, TX 79699-9004
McGlothlin Campus Center, Room 44
Phone: 325-674-6802
Fax: 325-674-4831
Web: www.acu.edu/studentlife

Student Life strives to create a safe and welcoming Christ-centered community that engages students through authentic personal relationships and provides meaningful opportunities for students to grow holistically, live faithfully, and connect their unique God-given talents and passions to service and calling.

The Student Life team reports to the Vice-President for Student Life and consists of the following areas: ACU Police Department, Career Center, Counseling Center, Depot, Intramural Sports, Dean of Students, Leadership Camps, Medical Clinic, Ministry and Service, Multicultural Affairs, Residence Life, Spiritual Formation, Student Organizations and Activities, Student Productions, Student Recreation and Wellness Center, Student Retention and Services, and New Student Programs.

Residence Life Education and Housing
ACU Box 29004; Abilene, Texas 79699-9004
McGlothlin Campus Center, Room 43
Phone: 325-674-6321
Fax: 325-674-6475
Email: reslife@acu.edu
Web: www.acu.edu/residencelife

The heart and life-blood of Abilene Christian University is community. Here, community exists in many forms: a diverse community of faith, an extraordinary academic community, and a vibrant residential community. ACU is steadfast in our commitment to a residential, co-curricular environment that enhances and deepens the academic and faith communities. In short, residential living is an integral part of the ACU undergraduate experience.

ACU takes a developmental approach to residential living and the college student experience by requiring all first- and second-year students to reside on campus, while also offering limited upperclassman and graduate student housing in managed on-campus apartment housing.

First- and second-year students are assigned to residence halls based on years out of high school, date of birth, and number of completed credit hours. Students who have been out of high school for less than one year will live in a first-year residence hall. All students who have completed more than two years of college are placed in an upperclassman hall.

Students who live with their parents, are over the age of 21, have completed more than two years prior to the beginning of the enrolling semester, or have a disability that requires special housing accommodations must submit their requests, along with proper medical documentation, to the Alpha Scholars Program. Alpha Scholars will in turn notify the office of Residence Life Education and Housing of their accommodation recommendations. It is our first priority to reasonably meet any special needs within the scope of our residential policy.

ACU retains all rights of ownership of the residential facilities, and therefore considers that all who reside in its facilities agree to abide by all University regulations applying to campus housing and Student Handbook. ACU reserves the right to require a resident to move to room or hall locations or to remove a student from housing whenever the best interests of the University appear to demand such action. ACU also reserves the right to inspect any room at any time. In such situations, every effort will be made to inspect the room with the student(s) present.

ACU is not responsible for the loss of personal property of residents due to theft, fire, wind, rain, and/or flooding. Students are strongly encouraged to purchase their own renters insurance.

Student Leadership Development
Dr. Jan Meyer, Dean of Student Leadership Development
ACU Box 27867; Abilene, Texas 79699-7867
McGlothlin Campus Center, Room 20
Phone: 325-674-2932
Fax: 325-674-6867
Web: www.acu.edu/ccsl

Student Life serves to operationalize the mission of ACU into the experience of every ACU student through collaborative and creative partnerships that provide a wealth of leadership and service opportunities across a broad range of disciplines. Key areas emphasized within Student Life include spiritual formation, leadership development, and ministry and service.

Spiritual formation: The Student Life team partners with students and student organizations to develop spiritually formative experiences and events on campus, as well as provide opportunities for local and global service. Chapel is one example of our intentional programming for spiritual formation, engaging students, faculty, and staff in Christian community through daily worship. Though each day’s experience varies, the purpose remains the same: to worship our God who is worthy, to seek to live a Christ-centered life, and to celebrate this life together as Christian community.

Leadership Development: For student leaders, Student Life works to strengthen the leadership culture at ACU through mentoring, catalytic events, resources, intentional communities, training experiences, and leadership opportunities for all students. Many of our student opportunities provide rich experiences in leadership, whether the role is as a residential assistant, a president of a student organization, or a member of ACU’s student advisory board.

Ministry and Service: ACU students serve in local and global initiatives each year through ongoing involvement and special events. When partnered with training and reflection, participation in ministry and community service broadens their world view, strengthens their commitment to Christ-centered living, and prepares them for a lifestyle of leadership and service. Through Student Life, students have access to a broad range of opportunities to serve locally, to participate in intentional communities, and to lead their peers as a first step to influencing the world.

Student Organizations and Activities
Tom Craig, Director of Student Activities and Productions
ACU Box 29004; Abilene, Texas 79699-9004
McGlothlin Campus Center, Lower Level
Phone: 325-674-4864
Fax: 325-674-6475
Email: craigt@acu.edu
Web: www.acu.edu/studentorganizations

Because of ACU’s strong belief in the importance of the developmental residential living experience, exemptions to the residential requirement for reasons other than those listed above are very rarely granted. Students must consider issues related to room and board costs when making financial decisions as to their ability to attend ACU.
A variety of student clubs and organizations provide avenues for the expression of a wide range of student interests: social, musical, academic, geographical and service. The following clubs and organizations have been officially recognized. For more information, refer to the Student Life web page at www.acu.edu/studentlife.

**Campus Activities**
Campus Activities Board (CAB), FilmFest, Freshman Action Council (FAC), Freshman Follies, Homecoming Committees, Sing Song, Wildcat Week Committees

**Social Clubs (Men)**
Frater Sodalis, Galaxy, Gamma Sigma Phi, Pi Kappa, Sub T-16, Trojans

**Social Clubs (Women)**
Alpha Kai Omega, GATA, Ko Jo Kai, Sigma Theta Chi, Zeta Rho

**Students’ Association**
Black Students Association, Freshmen Action Council, Graduate Students’ Association, International Students’ Association, Student Alumni Association, Students’ Association

**Academic Organizations**
Agricultural and Environmental Sciences: Delta Tau Alpha (Honor)
Art and Design: American Society of Interior Design
Business: Beta Gamma Sigma, American Marketing Assoc./ACU Chapter, Collegiate Entrepreneurs (honors), Food and Business Association, Society for Human Resource Management (SHRM), Student Management Investment Fund, Students in Free Enterprise (SIFE), Wildcats for Sustainability
Chemistry and Biochemistry: Chemistry Club
Communication: Lambda Pi Eta (Honor)
Communication Disorders: ACU Chapter NSSLHA (National Student Speech, Language, Hearing Association)
Computer Science: Association for Computing Machinery, Upsilon Pi Epsilon
English: Sigma Tau Delta
Family Studies
Foreign Language: Sigma Delta Pi (Spanish honors)
Gerontology: Sigma Phi Omega (Honor)
Information Systems: Association of Information Systems (honors)
Journalism and Mass Communication: Advertising/PR Club, Kappa Tau Alpha (Honor), Society of Professional Journalists
Kinesiology: ACU Club Soccer, ACU Ultimate, Cycling Club, Student Dietetic Association, Venturing Crew, Wildcat Hockey
Music: A Capella Group, Big Purple Marching Band, Mu Phi Epsilon (Alpha Sigma Chapter), University Chorale. For information on additional music groups, please contact the music department.
Physics: Society of Physics Students
Political Science: Pi Sigma Alpha (Honor), Pope Fellows, Pre-Law Council
Psychology: Psychology Club (honors), Student Association of the School of Psychology
Sociology: Alpha Kappa Delta (Honor)
Social Work: Phi Alpha (honors), Student Social Work Association
Theatre: Alpha Psi Omega (Honor)

**Honor Societies**
Alpha Chi, Honors College Senate, Phi Eta Sigma (Freshman), “W” Club

**Media Organizations**
The Optimist

**Service Organizations**
ACU for the International Rescue Committee, LYNAY, Mobile Medical Disaster Relief, Service Action Leadership Team (SALT), Red Thread Movement, Spring Break Campaigns, Treadaway Kids, Weekend Campaigns

**Special Interest Clubs**
ACU Fishing Club, ACU for the International Rescue Committee, ACU Go Club, Agricultural & Environmental Sciences Club, Association for Computing Machinery, Block and Bridle, Chinese Christian Fellowship, Chinese Students and Scholars Association, Christian Medical Dental Association, College Democrats, Essence of Ebony, Fair Trade ACU, Fellowship of Christian Athletes (FCA), Forensics Team, Hispanos Unidos, International Justice Mission, Locavore Club, Omega Dance Company, Outdoor Club, Republicans of ACU, Seekers of the Word, Sanctify Hip Hop Company, Shades Step Squad, Shinnery Review, Student Athlete Advisory Committee, Student Peace Alliance, Swing Cats, Table Tennis Club, Virtuous Sisterhood, Wishing Well, Women in Business

**Multicultural Student Affairs**
Prentice Ashford
ACU Box 29004; Abilene, Texas 79699-9004
McClouthlin Campus Center, Room 43
Phone: 325-674-6562
Fax: 325-674-6475
Web: www.acu.edu/ome

Abilene Christian University’s attention to a multicultural environment enriches the personal, social, and spiritual growth of all members of the ACU community and improves the university’s capacity to achieve its mission. A culturally diverse community includes faculty, staff, and students with differing cultural identities who bring the richness of their backgrounds and experiences into the learning environment. Cultural diversity, presented correctly in a college setting, can stimulate discussions, foster rewarding relationships and cultivate fuller worldviews.

The programs, activities, and services offered by the Office of Multicultural Affairs (OMA) foster constructive and frequent opportunities for students with different backgrounds and perspectives to engage in meaningful dialogue and reflection. Research shows that learning outcomes and social development are enhanced when students encounter perspectives that depart from their own worldview and past experiences, causing them to think actively and to reassess long-held, and often unexamined assumptions.

OMA serves students at ACU by maintaining an open door policy, advising student organizations, engaging in one-on-one encouragement, and fostering the growth and development of students by implementing educational, social, and cultural programming. The aim is to assist students in achieving their educational goals and to encourage student involvement in the academic and social systems of college life. OMA is designed to positively influence the quality of life and effectiveness of the ACU experience for all students.

**Student Recreation and Wellness Center**
Joel Swedlund, Executive Director
ACU Box 27842; Abilene, TX 79699-7842
Student Rec and Wellness Center, Room 253
Phone: 325-674-2271
Fax: 325-674-6788
Web: www.acu.edu/srwc

The Student Recreation and Wellness Center (SRWC) is committed to making participation an essential part of the ACU experience. With innovative programming, world-class facilities and outstanding leadership, we are focused on providing a wide variety of leisure services that peak the interests of the students, faculty and staff. In addition, we want to create an environment that fosters positive social interaction, enhances the overall educational experience, provide an opportunity to develop a healthy lifestyle and meet the overall mission of ACU. Intramural sports are a significant means of connection and
activity for our students, and as part of the SRWC the intramural sports participants enjoy excellent facilities for their indoor activities.

The SRWC facilities include a fitness center, aquatic center, bouldering wall, group exercise studios, gymnasiums, racquetball courts, locker rooms, and a juice bar. Services include personal training, group exercise classes, nutritional counseling, towel service, locker rental, and equipment check-out.

The SRWC employs a large number of ACU students throughout the facility in addition to the many students who are employed as officials for intramural sports. Training and mentoring are an important part of each of these staff-to-student partnerships.

Intramural Sports
Kyle Pinson, Director
ACU Box 27842; Abilene, TX 79699-8204
Student Recreation and Wellness Center, Room 142
Phone: 325-674-2555
Email: kyle.pinson@acu.edu
Web: www.acu.edu/intramurals

In partnership with the SRWC, intramural sports contribute significantly to the student experience at ACU. Nearly half of all undergraduate students participate in one or more intramural activities during the school year, with teams formed in one or more sporting events each year, with numerous teams formed in residence halls, academic departments, social clubs, special interest clubs, and friend groups. Sports offered are driven by student demand, and generally include: flag football, basketball, softball, soccer, waterball, volleyball and ultimate. A variety of leagues are offered to enable students to find their preferred level of competition. Registration for participation is online, as are the season’s schedules and current intramural standings.

Medical and Counseling Care Clinic (MACCCC)
Steve Rowlands, Director of the Medical and Counseling Care Center
849 Coliseum Way

ACU’s Medical and Counseling Care Clinic offers students medical and counseling services under one roof, located on the northwest corner of the Student Rec and Wellness Center between Moody Coliseum and the Teague Special Events Center. Our professional staff serve to meet the critical needs of our students by promoting the overall wellness that is needed for academic success. Licensed medical staff are available onsite to care for minor illnesses and injuries. Licensed counseling staff are available onsite to provide confidential mental health services. A part-time psychiatrist works in collaboration with medical and counseling services.

Medical Clinic
ACU Box 28154, Abilene, TX 79699-8154
Phone: 325-674-2625
Fax: 325-674-6998
Web: www.acu.edu/medical
Email: medical@acu.edu

The ACU Medical Clinic provides care for minor illnesses and injuries, and can provide a referral to local providers for care of chronic issues. The ACU Medical Clinic is located at the northwest corner of the Student Recreation and Wellness Center, between Moody Coliseum and the Teague Center. Services are available by walk-in or scheduled appointments by calling 325-674-2625. A psychiatrist is also available part-time to see patients.

A flat fee is charged for each Clinic visit. A valid ACU ID is required to access the clinic services. The ACU Medical Clinic does not bill insurance. However, students should have their own insurance policies or coverage on their parents’ insurance. Students should carry their insurance card in case they need medical care not covered by the clinic.

A student who is unsure about a medical issue may call 325-674-2625 and speak confidentially to Clinic staff. The Clinic staff will assist in scheduling an appointment or referring the student for appropriate care.

If a student requires care for radiologic or other specialist services, the Medical Clinic can refer them to an Abilene area provider.

Students who wish to have their prescription medications delivered to campus by a pharmacy may enroll in the prescription delivery program at the Medical Clinic.

Counseling Center
ACU Box 28083, Abilene, TX 79609-8083
Phone: 325-674-2626
Fax: 325-674-6998
Web: www.acu.edu/counseling

The goal of the Counseling Center is to promote mental health and well-being among our students, staff, and faculty. We recognize that mental health affects academic success, social relationships, physical health and spiritual well-being. All ACU students may seek professional, confidential counseling services at the Counseling Center. Our professional staff is available to assist with students in dealing with the daily stress that arises from college life, as well as the more serious mental health issues such as depression, anxiety, and eating disorders.

The Counseling Center is able to provide additional services such as medication management, in partnership with the Medical Clinic staff and part-time psychiatrist. When necessary, students may be referred to a specialist in the Abilene community or care may be coordinated with mental health professionals in a student’s hometown. Our staff is also able to advise parents, faculty/staff or roommates in their efforts to offer support regarding possible mental health concerns.

A flat fee is charged for each Counseling Center visit. The Counseling Center does not bill insurance.

Student Conduct Expectations
By enrolling in the university, students signify their willingness to observe Christian standards of honesty, ethics and morality. They agree to respect the personal and property rights of others. They agree to fulfill their responsibilities under all published university regulations and to obey local, state and federal laws. Information about student conduct and regulations can be found in the Student Handbook at www.acu.edu/studentlife (select the Policies link).

The Student Handbook is published at the beginning of each school year, and it details various important provisions that each student should read and understand. The Student Handbook determines the current regulations and policies that impact campus life. On reasonable notice to the students, the Student Handbook may be amended. Regulations such as those below, and others, are included in the Student Handbook.

- Possession or use of illegal drugs will result in automatic suspension from the university.
- Possession or use of alcohol is subject to strict disciplinary measures and may result in suspension.
- Students must conform to the current dress code.
- Class attendance is an important student responsibility; students may be dropped from classes or failed for excessive absences.
- Chapel attendance is required for all undergraduate students that are enrolled full-time and are under the age of 25.
- Hazing is prohibited and will result in disciplinary action from the university and criminal penalties from the state of Texas.
- Many activities are expressly listed in the Student Handbook as prohibited and are subject to disciplinary sanctions, including: smoking or other use of tobacco on campus, violation of residence hall visitation policies, falsification of university records, cheating, theft, sexual immorality, vandalism, and possession of firearms.
Athletics

Lee De León, Director of Athletics
ACU Box 27916; Abilene, Texas 79699-7916
Teague Special Events Center
Phone: 325-674-2353
Fax: 325-674-6831
Email: athleticdirector@acu.edu
Web: www.acusports.com

On July 1, 2013, Abilene Christian University re-joined the Southland Conference as the athletics department made the move to NCAA Division I affiliation for the first time in university history. The move to the Southland Conference is a return “home” of sorts as ACU re-joins the league it helped to found in 1963. ACU played a limited role in the conference as the athletics department made the move to NCAA Division I in 1973, returning to the Southland Conference as a member of the conference. As a member of the Southland Conference, ACU is once again a full fledged member of the conference. ACU competes in the men's sports of baseball, basketball, cross country, football, golf, tennis, and indoor and outdoor track and field, and in the women's sports of basketball, cross country, soccer, softball, tennis, indoor and outdoor track and field and volleyball.

In February 2014, ACU officials announced an ambitious $70 million building plan on the campus that will include construction a new track / soccer stadium and, for the first time ever, an on-campus football stadium that will be called Anthony Field at Wildcat Stadium. The track / soccer stadium will host its first event on April 11, 2015, when TCU and Texas Tech join ACU at the new Elmer Gray Stadium for the second Wes Kittley Invitational. The Wildcats are scheduled to open the new football stadium sometime during the 2016 season.

The university enjoys the luxury of fine athletics facilities with a 4,500-seat gymnasium (Moody Coliseum) that serves as the home court for ACU basketball and volleyball, and the adjoining Royce and Pam Money Student Recreation and Wellness Center. ACU also plays in one of the best collegiate baseball facilities in the country in 4,000-seat Crutcher Scott Field. With a clubhouse, modern press box and indoor hitting facility, ACU baseball players enjoy a facility that is on par with those at NCAA Division I programs across the county.

ACU also has an all-weather, nine-lane track at Elmer Gray Stadium that is brand new in 2015. Just to the northwest of the new stadium is a track and field complex that houses coaches' offices, locker rooms, and team rooms for both the men's and women's track and field programs.

The ACU football team plays at 15,000-seat Shotwell Stadium, an almost-60-year-old facility that in recent years has received some tremendous upgrades. The stadium boasts one of the largest and best high-definition scoreboards in the Southwest, and it also has new locker rooms and a FieldTurf playing surface. The Wildcats have played all of their home games in the stadium since 1959, and future NFL players like Thomas "Hollywood" Henderson, John Randle, Hall of Famers John Randle and Darrell Green, Wade Wilson, Wilbert Montgomery, Dominic Rhodes, Jermaine Mayberry, Robert Garza, Keith Traylor, Pierce Holt and Daniel Manning, Bernard Scott, Johnny Knox and Clyde Gates have played at the stadium.

The men's and women's tennis teams compete at one of the finest tennis facilities in the nation in the Eager Tennis Center. The Judi and Cecil Eager Tennis Pavilion was added to the complex in 2002, and the center underwent more extensive renovations in summer 2007, adding more courts and lighting, recovering the existing courts with new surfacing and adding new wind screens.

One of the newest facilities for ACU student-athletes to enjoy is the Soccer/Softball Complex, which is located just south of Wells Field in between the ACU softball field and Elmer Gray Stadium. The complex houses coaches’ offices, locker rooms, and team rooms for both the women's soccer and softball programs. The facility also houses a large sports medicine room that serves both programs. Also housed in the facility is an indoor batting facility for the women’s softball team to use during times of inclement weather. The complex also includes restrooms and a concession stand that serves fans for soccer matches, track and field meets, and softball games.

The remarkable success of ACU Wildcat student-athletes over the years is a tribute to the athletes, the coaches and the tradition of winning that permeates the program. ACU recruits its student-athletes for their academic and spiritual qualities, as well as their athletic abilities. We desire for our staff, coaches, and student-athletes to meet our missions, which is to honor Christ through excellence in academics and athletics. Our vision is clear, and it is to win at the highest level by providing the most Christ-centered student-athlete experience in collegiate athletics. We want to continue winning both on the field and in the classroom, showing our “Excellence for Christ” in everything we do.

In addition to 64 national team championships, hundreds of student-athletes have won individual national championships, earned all-America honors and been named academic all-America. In addition, several ACU student-athletes have been named to various halls of fame around the country.

The 57 NCAA team national championships that ACU has won is fifth in NCAA history behind only UCLA, Stanford, USC and Kenyon College. When you add it all up, it is no surprise we like to say that ACU is “Where Champions Are Made.”
University Requirements for ACU Degrees

University Requirements for certain baccalaureate degrees include additions or modifications to the University Requirements for all bachelor’s degrees. See the chart below for special requirements for the BA, BBA, BFA, BM, BS, BSE, and BSN degrees.

<table>
<thead>
<tr>
<th>Degree</th>
<th>Requirements</th>
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</table>
| BA     | 6 hrs – Sophomore foreign language  
3 hrs – Sophomore (or higher) literature |
| BBA    | 3 hrs – ECON 260 or 261 |
| BFA    | 3 hrs – Sophomore (or higher) literature |
| BM     | Minimum of 72 hours of music |
| BS     | No additional hours |
| BSE    | No additional hours |
| BSN    | 12 hrs – Bible total |

Undergraduate and Graduate Degrees offered at ACU

<table>
<thead>
<tr>
<th>Degree</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Associate of Arts</td>
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<td>Bachelor of Arts</td>
<td>BA</td>
</tr>
<tr>
<td>Bachelor of Science</td>
<td>BS</td>
</tr>
<tr>
<td>Bachelor of Business Administration</td>
<td>BBA</td>
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<tr>
<td>Bachelor of Fine Arts</td>
<td>BFA</td>
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<tr>
<td>Bachelor of Music</td>
<td>BM</td>
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<tr>
<td>Bachelor of Science in Engineering</td>
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<tr>
<td>Bachelor of Science in Nursing</td>
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</tr>
<tr>
<td>Doctor of Ministry</td>
<td>DMin</td>
</tr>
<tr>
<td>Specialist in School Psychology</td>
<td>SSP</td>
</tr>
<tr>
<td>Master of Arts</td>
<td>MA</td>
</tr>
<tr>
<td>Master of Accountancy</td>
<td>MAcc</td>
</tr>
<tr>
<td>Master of Arts in Christian Ministry</td>
<td>MACM</td>
</tr>
<tr>
<td>Master of Business Administration*</td>
<td>MBA*</td>
</tr>
<tr>
<td>Master of Divinity</td>
<td>MDiv</td>
</tr>
<tr>
<td>Master of Education</td>
<td>MEd</td>
</tr>
<tr>
<td>Master of Liberal Arts</td>
<td>MLA</td>
</tr>
<tr>
<td>Master of Marriage and Family Therapy</td>
<td>MMFT</td>
</tr>
<tr>
<td>Master of Science</td>
<td>MS</td>
</tr>
</tbody>
</table>

*Pending approval from the Southern Association of Colleges and Schools Commission on Colleges

University Requirements for all Bachelor’s Degrees

University Requirements, except advanced courses, should be completed by the end of the sophomore year.

The Core

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORE 110 Cornerstone</td>
<td>3</td>
</tr>
<tr>
<td>CORE 210 Human Identity and Community</td>
<td>3</td>
</tr>
<tr>
<td>BCOR 310 The Search for Meaning</td>
<td>(3)1</td>
</tr>
</tbody>
</table>

Bible

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIBL 101 Jesus: His Life and Teachings</td>
<td>3</td>
</tr>
<tr>
<td>BIBL 102 Early Christians: Life, Literature and Community</td>
<td>3</td>
</tr>
<tr>
<td>BIBL 211 Message of the Old Testament</td>
<td>3</td>
</tr>
<tr>
<td>Choose 1: BIBH, BIBL, BIBM, BIBP, BIBT, BMIS (300-499)</td>
<td>3</td>
</tr>
<tr>
<td>BCOR 310 The Search for Meaning</td>
<td>3</td>
</tr>
</tbody>
</table>

English

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 111 Composition and Rhetoric</td>
<td>3</td>
</tr>
<tr>
<td>(or ENGL 106/006 and 107/007)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 112 Composition and Literature</td>
<td>3</td>
</tr>
<tr>
<td>Sophomore (200-299) Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

Communication

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 211 Speech and Rhetoric</td>
<td>3</td>
</tr>
</tbody>
</table>

Science

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students may take two unconnected courses in different disciplines or one two-semester sequence of courses within a single discipline from the following list:</td>
<td></td>
</tr>
<tr>
<td>Agricultural and Environmental Science</td>
<td></td>
</tr>
<tr>
<td>AENV 130 Environmental and Technological Science</td>
<td>3</td>
</tr>
<tr>
<td>ANSC 111 General Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 112 Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 233 Soil Science</td>
<td>3</td>
</tr>
<tr>
<td>Biology</td>
<td>6</td>
</tr>
<tr>
<td>BIOL 101 Biology: Human Perspective</td>
<td></td>
</tr>
<tr>
<td>BIOL 112/114 General Biology I/General Biology I Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL 113/115 General Biology II/General Biology II Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL 203 Basic Biology for Teachers</td>
<td></td>
</tr>
<tr>
<td>BIOL 291/293 Anatomy and Physiology I/Anatomy and Physiology I Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL 292/294 Anatomy and Physiology II/Anatomy and Physiology II Lab</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>6</td>
</tr>
<tr>
<td>CHEM 101 Consumer Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHEM 113/111 Introductory Chemistry/Introductory Chemistry Lab</td>
<td></td>
</tr>
<tr>
<td>CHEM 114/112 Introductory Organic and Biological Chemistry/Introductory Organic and Biological Chemistry Lab</td>
<td></td>
</tr>
<tr>
<td>CHEM 133/131 General Chemistry I/General Chemistry I Lab</td>
<td></td>
</tr>
<tr>
<td>CHEM 134/132 General Chemistry II/General Chemistry II Lab</td>
<td></td>
</tr>
<tr>
<td>Geology</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 111 Introduction to Geology</td>
<td></td>
</tr>
<tr>
<td>Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 120 Nutrition and Wellness</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>6</td>
</tr>
<tr>
<td>PHYS 101 Astronomy</td>
<td></td>
</tr>
<tr>
<td>PHYS 102 Physical Science</td>
<td></td>
</tr>
<tr>
<td>PHYS 110/111 General Physics I/General Physics I Lab</td>
<td></td>
</tr>
<tr>
<td>PHYS 112/113 General Physics II/General Physics II Lab</td>
<td></td>
</tr>
<tr>
<td>PHYS 203 Physical Science for Teachers</td>
<td></td>
</tr>
<tr>
<td>PHYS 220/221 Engineering Physics I/Engineering Physics I Lab</td>
<td></td>
</tr>
<tr>
<td>PHYS 222/223 Engineering Physics II/Engineering Physics II Lab</td>
<td></td>
</tr>
<tr>
<td>PHYS 330/331 Modern Physics/Modern Physics Lab</td>
<td></td>
</tr>
<tr>
<td>PHYS/PHIL 378 History and Philosophy of Science</td>
<td></td>
</tr>
<tr>
<td>Social Science/Fine Arts/Humanities</td>
<td>6</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>---</td>
</tr>
<tr>
<td>Choose 3 hours from the following list:</td>
<td></td>
</tr>
<tr>
<td><strong>Anthropology</strong></td>
<td></td>
</tr>
<tr>
<td>ANTH 101 Introduction to Anthropology</td>
<td></td>
</tr>
<tr>
<td><strong>Economics</strong></td>
<td></td>
</tr>
<tr>
<td>AGR 261 Principles of Agricultural and Applied Economics</td>
<td></td>
</tr>
<tr>
<td>ECON 260 Principles of Macroeconomics</td>
<td></td>
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<tr>
<td>ECON 261 Principles of Microeconomics</td>
<td></td>
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<tr>
<td>ENGR 350 Engineering Economics</td>
<td></td>
</tr>
<tr>
<td><strong>Family Studies</strong></td>
<td></td>
</tr>
<tr>
<td>FAM 251 Introduction to Family Studies</td>
<td></td>
</tr>
<tr>
<td><strong>Geography</strong></td>
<td></td>
</tr>
<tr>
<td>GEOG 235 World Geography</td>
<td></td>
</tr>
<tr>
<td><strong>History and Global Studies</strong></td>
<td></td>
</tr>
<tr>
<td>GLST 120 Introduction to Global Issues</td>
<td></td>
</tr>
<tr>
<td>GLST 212 Introduction to Great Britain</td>
<td></td>
</tr>
<tr>
<td>GLST 214 Global Studies: People and Culture of Germany and Europe</td>
<td></td>
</tr>
<tr>
<td>GLST 217 South American Southern Cone: History and Culture</td>
<td></td>
</tr>
<tr>
<td>HIST 117 Civilization I</td>
<td></td>
</tr>
<tr>
<td>HIST 118 Civilization II</td>
<td></td>
</tr>
<tr>
<td>HIST 131 World History: Cultures and Connections since 1400</td>
<td></td>
</tr>
<tr>
<td>HIST 221 American History I</td>
<td></td>
</tr>
<tr>
<td>HIST 222 American History II</td>
<td></td>
</tr>
<tr>
<td>HIST 250 Introduction to American Ethnic and Women’s Studies</td>
<td></td>
</tr>
<tr>
<td><strong>Journalism and Mass Communication</strong></td>
<td></td>
</tr>
<tr>
<td>JMC 100 Media Issues</td>
<td></td>
</tr>
<tr>
<td><strong>Political Science</strong></td>
<td></td>
</tr>
<tr>
<td>POLS 221 Government and Business</td>
<td></td>
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<tr>
<td>POLS 225 National Government</td>
<td></td>
</tr>
<tr>
<td>POLS 226 States and Federal System</td>
<td></td>
</tr>
<tr>
<td>POLS 227 Introduction to International Relations</td>
<td></td>
</tr>
<tr>
<td><strong>Psychology</strong></td>
<td></td>
</tr>
<tr>
<td>PSYC 120 Introduction to Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYC 232 Developmental Psychology</td>
<td></td>
</tr>
<tr>
<td>EDUC 221 Educational Psychology</td>
<td></td>
</tr>
<tr>
<td><strong>Sociology</strong></td>
<td></td>
</tr>
<tr>
<td>SOCI 111 Introduction to Sociology</td>
<td></td>
</tr>
<tr>
<td>SOCI 222 Social Problems</td>
<td></td>
</tr>
<tr>
<td>Choose 3 additional hours from the list above (in a different discipline) or from the list below:</td>
<td></td>
</tr>
<tr>
<td><strong>Art</strong></td>
<td></td>
</tr>
<tr>
<td>ART 101 Introduction to Art</td>
<td></td>
</tr>
<tr>
<td>ART 221 Art History: General Survey I</td>
<td></td>
</tr>
<tr>
<td>ART 222 Art History: General Survey II</td>
<td></td>
</tr>
<tr>
<td>DSGN 221 History of Architecture and Design I</td>
<td></td>
</tr>
<tr>
<td>DSGN 222 History of Architecture and Design II</td>
<td></td>
</tr>
<tr>
<td><strong>Music</strong></td>
<td></td>
</tr>
<tr>
<td>MUSM 131 Music in World Cultures</td>
<td></td>
</tr>
<tr>
<td>MUSM 132 Music Literature</td>
<td></td>
</tr>
<tr>
<td>MUSM 230 Survey of Music in Western Culture</td>
<td></td>
</tr>
<tr>
<td>MUSM 231 Survey of Jazz</td>
<td></td>
</tr>
<tr>
<td>MUSM 232 Survey of Popular Music</td>
<td></td>
</tr>
<tr>
<td>MUSM 233 Survey of World Music</td>
<td></td>
</tr>
<tr>
<td><strong>Philosophy</strong></td>
<td></td>
</tr>
<tr>
<td>PHIL 379 Philosophy, Religion and Science</td>
<td></td>
</tr>
<tr>
<td>PHIL 380 Introduction to Philosophy</td>
<td></td>
</tr>
<tr>
<td>PHIL 451 Philosophy and Social Justice</td>
<td></td>
</tr>
<tr>
<td><strong>Theatre</strong></td>
<td></td>
</tr>
<tr>
<td>THEA 220 Introduction to Theatre</td>
<td></td>
</tr>
<tr>
<td><strong>Kinesiology</strong></td>
<td>2</td>
</tr>
<tr>
<td>PEAC 100 Lifetime Wellness and 1 PEAC activity or 2 different PEAC activities</td>
<td></td>
</tr>
<tr>
<td><strong>Foreign Language</strong></td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td></td>
</tr>
</tbody>
</table>

1. **BCOR 310 is a combined class for CORE and Bible; the hours for the class are counting in the total for the Bible requirement.**
2. **Each class is a 2 hour class. Both classes must be taken to satisfy the requirement.**
3. **Admitted students who have not earned at least two high school units of the same foreign language are required to complete 6 hours of college-level foreign language (one language).**

A single course cannot satisfy a requirement in more than one area of University Requirements. For example, HIST 117 may only fulfill either the social science or for the cultural awareness selection, but not both.

**Students with demonstrated proficiency may petition to take selected advanced courses in place of the courses listed in this menu.**

**Note:** For the University Requirements for the associate of arts degree in architecture refer to page 47.
College of Arts and Sciences

Greg Straughn, Dean
Jeff Arrington, Associate Dean
Lynette Sharp Penya, Associate Dean
ACU Box 29210
Abilene, Texas 79699-9210
Sherrod Building – Don Morris Center, Room 127
Phone: 325-674-2209
Fax: 325-674-6800
Email: cas@acu.edu
Web: www.acu.edu/cas.html

The College of Arts and Sciences endeavors to educate students for worldwide Christian service and leadership through programs of study and other learning experiences that blend a liberal arts education with professional and career education. The college offers a broad spectrum of programs in the arts, humanities, social sciences, behavioral sciences, natural sciences, and mathematics as well as professional and pre-professional programs. Many courses in the college are designed to provide a unique liberal arts education from a Christian perspective to students of all majors throughout the university.

The college includes the following 14 degree granting departments and programs:

- Agricultural and Environmental Sciences
- Art and Design
- Biology
- Chemistry and Biochemistry
- Communication and Sociology
- Engineering and Physics
- History and Global Studies
- Journalism and Mass Communication
- Language and Literature
- Mathematics
- Music
- Political Science
- Psychology
- Theatre

The College of Arts and Sciences offers the following degrees:

- Associate of Arts (AA)
- Bachelor of Arts (BA)
- Bachelor of Fine Arts (BFA)
- Bachelor of Music (BM)
- Bachelor of Science (BS)
- Bachelor of Science in Engineering (BSE)

See the department listings for more specific information about degree programs offered and the requirements for each degree.

Many graduate programs are offered in Arts and Sciences through the Graduate School. For more information, consult the Graduate School section of this catalog (page 128).

Other programs in the College of Arts and Sciences are:

- Criminal Justice (Political Science)
- Ethnic and Women’s Studies (Interdisciplinary Minor, History)
- Institute of Intensive English (IIE) (Language and Literature)
- Leadership Studies (Interdisciplinary Minor, Communication)
Agricultural and Environmental Sciences

Bryan E. Brokaw, Chair, Program Coordinator for Agricultural and Environmental Sciences
ACU Box 27986
Abilene, Texas 79699-7986
Hardin Administration Building, Room 131B
Phone: 325-674-2401
Fax: 325-674-6936
Email: brokawe@acu.edu
Web: www.acu.edu/agenv

Faculty
Bryan E. Brokaw, Professor
James C. Cooke, Professor

Majors: Agribusiness (BS)
Animal Science (BS)
Environmental Science (BS)
Animal Health Professions Cooperative (BS)

Minors: Agricultural Sciences
Environmental Sciences

The Department of Agricultural and Environmental Sciences offers the Bachelor of Science degree in agribusiness, animal science and environmental science. A “fast-track” cooperative degree in animal science is available for students who wish to enter a school of veterinary medicine after three years at ACU. Students considering graduate school or governmental employment should consult their advisor during the sophomore year. For information on scholarships available in agricultural and environmental sciences, see the department chair.

Introduction
“The Lord God took the man and put him in the Garden of Eden to work it and take care of it” (Genesis 2:15). Thus began God’s initial ministry for humankind. Though humans would choose to disregard God’s command, God’s desire is for reconciliation and relationship with His creation.

The faculty in the Department of Agricultural and Environmental Sciences (A&E) at Abilene Christian University believes in this ministry of reconciliation. We challenge students to think about their relationship with God and caring for His creation in a world that is often hostile to the Creator. Consequently, the mission of A&E is to educate students for Christian stewardship of sustainable agricultural and environmental systems throughout the world.

We take this responsibility very seriously, because it is Kingdom business. Whether it takes the form of a former student making decisions in the boardroom of corporate agribusiness, serving the poor in developing countries by teaching them to feed themselves or remediating an abused land site, our desire is that, “Whatever you do, work at it with all your heart, as working for the Lord, not for men, since you know that you will receive an inheritance from the Lord as a reward. It is the Lord Christ you are serving” (Colossians 23:24).

If you are interested in a place where career aspirations are connected to family, church and community, where learning is informed by faith and where servant leadership is expected and modeled, we encourage you to consider A&E.

Study Abroad Expectations
All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year.

Bachelor of Science Degrees (BS)

Admission Requirements
Before being admitted to a program, a student must satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19).

AGRIBUSINESS (BS)
The BS in agribusiness combines training in agricultural economics, business and technical agriculture. Majors in this area are prepared for business allied with agriculture, including banks and other lending agencies, real estate, insurance companies, farm supply and equipment companies, firms processing and marketing agricultural products, and public agencies associated with agriculture. Students are also prepared to pursue graduate education.

BS: AGRIBUSINESS DEGREE PLAN (AGRB)

UNIVERSITY REQUIREMENTS
Please see the University Requirements section of this catalog (page 37).

MAJOR REQUIREMENTS

Agricultural and Environmental Sciences Core
AENV 110 Introduction to Agricultural and Environmental Systems and Technology ................................................. 3
ANSC 111 General Animal Science .................................................. 3
ENVR 112 Plant Science .................................................................. 3
ENVR 233 Soil Science .................................................................. 3
TOTAL .................................................................................. 12

Agribusiness
ACCT 210 Financial Accounting .................................................. 3
ACCT 211 Managerial Accounting .................................................. 3
AGRB 261 Principles of Agricultural and Applied Economics...(3)
AGRB 382 Agribusiness Management ............................................. 3
BLAW 363 Legal Environment of Business ...................................... 3
ENVR 410 Environmental Law and Policy (capstone course) ...... 3
ENVR 420 or ANSC 497 (capstone and writing-intensive course) ................................................................. 3
TOTAL .................................................................................. 18

Advanced selections from: AENV, ANSC, or ENVR ................. 12
TOTAL .................................................................................. 42

1Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

SUPPLEMENT FOR MAJOR

Business
ECON 260 Principles of Macroeconomics .................................. 3
FIN 310 Financial Management .................................................. 3
IS 322 Business Statistics .......................................................... 3
MGMT 330 Management and Organizational Behavior .............. 3
MGMT 331 Operations Management ............................................ 3
MGMT 439 Strategic Management (capstone and writing-intensive course) .................................................. 3
MKTG 320 Principles of Marketing ............................................. 3

Mathematics
MATH 130 Finite Math for Applications .................................... (3)

Science Core
BIOL 112 General Biology I ..................................................... (3)
BIOL 114 General Biology I Lab .............................................. 1
CHEM 113 Introductory Chemistry ............................................ (3)
CHEM 111 Introductory Chemistry Lab .................................... 1
POLS 225 ............................................................................ (3)
TOTAL .................................................................................. 23

1Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

ELECTIVES


ANIMAL SCIENCE (BS)
The animal science degree is designed to prepare students to effectively serve the livestock industry by producing graduates conversant in issues related to animal agriculture. The curriculum is designed for academically talented students interested in the application of biology and technology to the care, management, and study of domestic animals. While the program emphasizes traditional farm species of dairy cattle, beef cattle and swine, it also addresses companion animals, small ruminants, and poultry. The animal science curriculum contains a fundamental animal science core accompanied by emphasis tracks. The tracks are pre-veterinary medicine and health, business and industry, livestock management, and biotechnology and research. Graduates are prepared for admission to professional and/or graduate programs for advanced studies or entry into career fields.

<table>
<thead>
<tr>
<th>BS: ANIMAL SCIENCE DEGREE PLAN (ANSC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIVERSITY REQUIREMENTS</td>
</tr>
<tr>
<td>Please see the University Requirements section of this catalog (page 37).</td>
</tr>
<tr>
<td>MAJOR REQUIREMENTS</td>
</tr>
<tr>
<td>Agricultural and Environmental Sciences Core</td>
</tr>
<tr>
<td>AENV 110 Introduction to Agricultural and Environmental Systems and Technology ........................................3</td>
</tr>
<tr>
<td>ANSC 111 General Animal Science ..........3</td>
</tr>
<tr>
<td>ENVR 112 Plant Science .....................3</td>
</tr>
<tr>
<td>ENVR 233 Soil Science .......................3</td>
</tr>
<tr>
<td>TOTAL ........................................ 12</td>
</tr>
<tr>
<td>Animal Science Core</td>
</tr>
<tr>
<td>AGRB 261 Principles of Agricultural and Applied Economics ..(3)</td>
</tr>
<tr>
<td>AGRB 382 Agribusiness Management ........3</td>
</tr>
<tr>
<td>ANSC 336 Animal Nutrition .................3</td>
</tr>
<tr>
<td>ANSC 343 Animal Reproduction ..............3</td>
</tr>
<tr>
<td>ANSC 392 Animal Health .....................3</td>
</tr>
<tr>
<td>ANSC 496 Animal Breeding ...................3</td>
</tr>
<tr>
<td>ANSC 497 Special Problems in Animal Science (capstone and writing-intensive course) ........3</td>
</tr>
<tr>
<td>TOTAL ........................................ 18</td>
</tr>
<tr>
<td>Kinesiology</td>
</tr>
<tr>
<td>(LM and PVH use ANSC 360 for 1 hour of PEAC activity) ......(1)</td>
</tr>
<tr>
<td>Mathematics</td>
</tr>
<tr>
<td>MATH 123 Elementary Statistics (BI and LM), MATH 124 Precalculus II (BR) or MATH 377 Statistical Methods (PVH) ........(3)</td>
</tr>
<tr>
<td>TOTAL ........................................ 30</td>
</tr>
<tr>
<td>Recommended Emphases (choose 1):</td>
</tr>
<tr>
<td>Biotechnology Emphasis (8 hours)</td>
</tr>
<tr>
<td>AENV 371 Experimental Designs and Data Analysis ..........3</td>
</tr>
<tr>
<td>ANSC 337 Animal Nutrition Lab ..........3</td>
</tr>
<tr>
<td>ANSC 431 Animal Biotechnology ..........3</td>
</tr>
<tr>
<td>Research Emphasis (7 hours)</td>
</tr>
<tr>
<td>ANSC 345 Techniques in Animal Production ..........3</td>
</tr>
<tr>
<td>ANSC 435 Techniques in Animal Production ..........3</td>
</tr>
<tr>
<td>ANSC 363 Monogastric Livestock Production ..........3</td>
</tr>
<tr>
<td>TOTAL ........................................ 14</td>
</tr>
<tr>
<td>LIVESTOCK MANAGEMENT TRACK (LM)</td>
</tr>
<tr>
<td>ANSC 337 Animal Nutrition Lab ..........3</td>
</tr>
<tr>
<td>ANSC 345 Techniques in Animal Production ..........3</td>
</tr>
<tr>
<td>ANSC 483 Ruminant Livestock Production ..........3</td>
</tr>
<tr>
<td>ENVR 350 Rangeland Ecology ..........3</td>
</tr>
<tr>
<td>Recommended Emphases (choose 1):</td>
</tr>
<tr>
<td>Animal Production Emphasis (14 hours)</td>
</tr>
<tr>
<td>AENV 371 Experimental Designs and Data Analysis ..........3</td>
</tr>
<tr>
<td>ANSC 337 Animal Nutrition Lab ..........3</td>
</tr>
<tr>
<td>ANSC 345 Techniques in Animal Production ..........3</td>
</tr>
<tr>
<td>ANSC 483 Ruminant Livestock Production ..........3</td>
</tr>
<tr>
<td>ENVR 350 Rangeland Ecology ..........3</td>
</tr>
<tr>
<td>Rangeland Ecology Emphasis (13 hours)</td>
</tr>
<tr>
<td>ENVR 345 Rangeland Plants ..........3</td>
</tr>
<tr>
<td>ENVR 354 Range Science ..........3</td>
</tr>
<tr>
<td>ENVR 455 Wildlife Ecology ..........3</td>
</tr>
<tr>
<td>TOTAL ........................................ 23</td>
</tr>
</tbody>
</table>

**Courses numbered 0** do not count in minimum hours required for degree.
have led to the creation of new disciplines and new career resources and regulations governing the conservation of these resources general have been required to change the way they handle natural who are preparing for careers in natural resource management. As the in environmental science.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 354 Range Science</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 345 Rangeland Plants</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 112 Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>ANSC 111 General Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>AENV 110 Introduction to Agricultural and Environmental Sciences Core</td>
<td>3</td>
</tr>
</tbody>
</table>

Please see the University Requirements section of this catalog (page 37).

ENVIRONMENTAL SCIENCE (BS)

The purpose of this degree is to fulfill the educational needs of students who are preparing for careers in natural resource management. As the national consciousness of the finite nature of natural resources has increased, the extraction industries, agriculture and manufacturers in general have been required to change the way they handle natural resources. Interactions between companies that consume natural resources and regulations governing the conservation of these resources have led to the creation of new disciplines and new career opportunities. Graduate schools in colleges of agriculture as well as in colleges of arts and sciences offer degrees and graduate assistantships in a multitude of environmental areas. The emergence of new jobs in natural resource management indicates the opportunities for graduates in environmental science.

BS: ENVIRONMENTAL SCIENCE DEGREE PLAN (ENVR)

UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

MAJOR REQUIREMENTS

Agricultural and Environmental Sciences Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AENV 110 Introduction to Agricultural and Environmental Systems and Technology</td>
<td>3</td>
</tr>
<tr>
<td>ANSC 111 General Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 112 Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 233 Soil Science</td>
<td>3</td>
</tr>
</tbody>
</table>

Total: 12 credits

Environmental Science Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRB 261 Principles of Agricultural and Applied Economics</td>
<td>3</td>
</tr>
<tr>
<td>AGRB 382 Agribusiness Management</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 320 Energy Resources</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 341 Water Resources</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 345 Rangeland Plants</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 350 Rangeland Ecology</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 354 Range Science</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 410 Environmental Law and Policy (capstone course)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total: 23 credits

ELECTIVES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 420 Environmental Thought (capstone and writing-intensive course)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total: 24 credits

SUPPLEMENT FOR MAJOR (PVH TRACK)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 355/357 Microbiology I Lecture/Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 131 General Chemistry Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 132/134 General Chemistry II Lecture/Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 221/223 Organic Chemistry I Lecture/Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 322/324 Organic Chemistry II Lecture/Lab</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 453 Biochemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 454 Biochemistry II</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 120 Introduction to Psychology</td>
<td>(3)1</td>
</tr>
</tbody>
</table>

Total: 23 credits

ELECTIVES

Minimum (BI Track): 6 credits  
Minimum (BR Track): 6-7 credits  
Minimum (LM Track): 7-8 credits  
Minimum (PVH Track): 6 credits

Total Major Hours: 72 credits

OTHER GRADUATION REQUIREMENTS

Minimum GPA for graduation: 2.00  
Minimum advanced hours: 33 credits  
Minimum total hours: 128 credits

Courses numbered 0** do not count in minimum hours required for degree.

WILDLIFE AND NATURAL RESOURCE MANAGEMENT TRACK (ENWV)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSC 336 Animal Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 221/223 Animal Biology or</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 222/224 Plant Biology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 111 Intro to Chemistry Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 112/114 Intro to Organic and Biological Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>ENVR 455 Wildlife Ecology</td>
<td>4</td>
</tr>
<tr>
<td>ENVR 458 Wildlife Management Techniques</td>
<td>3</td>
</tr>
<tr>
<td>Choose 2 courses: BIOL 305, 311, 315, 322, 362, 370, 380, 403, 425, 471, or 477</td>
<td>6</td>
</tr>
</tbody>
</table>

Total: 25 credits

OUTDOOR STUDIES TRACK (ENVO)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AENV 384 Internship in Agricultural and Environmental Sciences</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 111 Introduction to Chemistry Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 112/114 Intro to Organic and Biological Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>ENVR 455 Wildlife Ecology</td>
<td>4</td>
</tr>
<tr>
<td>ENVR 458 Wildlife Management Techniques</td>
<td>3</td>
</tr>
<tr>
<td>KINE 241 First Aid/CPR</td>
<td>1</td>
</tr>
<tr>
<td>KINE 360 Leadership and Management for Health Promotion (writing-intensive course)</td>
<td>3</td>
</tr>
<tr>
<td>KINE 460 Program Planning for Health Promotion</td>
<td>3</td>
</tr>
<tr>
<td>Choose 3 courses (in addition to university requirements): PEAC 206, 210, 211, 229, 239, 341, 350, 351, or 352</td>
<td>9</td>
</tr>
</tbody>
</table>

Total: 25 credits

FIELD TECHNOLOGY TRACK (ENVF)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CHEM 131 General Chemistry Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 132/134 General Chemistry II Lecture/Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 221/223 Organic Chemistry I Lecture/Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 322/324 Organic Chemistry II Lecture/Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 341 Environmental Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 455 Wildlife Ecology</td>
<td>4</td>
</tr>
<tr>
<td>Advanced selections from AENV or ENVR</td>
<td>6</td>
</tr>
</tbody>
</table>

Total: 25 credits

POLITICS AND PUBLIC POLICY TRACK (ENVP)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced selections from AENV or ENVR</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 111 Introduction to Chemistry Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 112/114 Intro to Organic and Biological Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>POLS 341 American Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>Choose 4 courses: POLS 345, 350, 381, 383, 385, 395, 488, 492, or 494</td>
<td>12</td>
</tr>
</tbody>
</table>

Total: 23 credits
ACU awards the bachelor’s degree to certain qualified students who have satisfactorily completed three years of prescribed work at ACU (a minimum of 104 hours) plus one year at a recognized professional school. Students in the cooperative degree program are advised by an advisor in the Department of Agriculture and Environmental Studies.

Minor in Agricultural Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>AGRB 261</td>
<td>Principles of Agricultural and Applied Economics</td>
<td>3</td>
</tr>
<tr>
<td>ANSC 111</td>
<td>General Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 111/113</td>
<td>Introduction to Chemistry Lecture/Lab</td>
<td>4</td>
</tr>
<tr>
<td>ENVR 112</td>
<td>Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 233</td>
<td>Soil Science</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 300-499</td>
<td>Earth Sciences</td>
<td>9</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>22</td>
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</tbody>
</table>

Minor in Environmental Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AENV 130</td>
<td>Environmental and Technological Science</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 111/113</td>
<td>Introduction to Chemistry Lecture/Lab</td>
<td>4</td>
</tr>
<tr>
<td>ENVR 112</td>
<td>Plant Science</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 233</td>
<td>Soil Science</td>
<td>3</td>
</tr>
<tr>
<td>Choose 3</td>
<td>from: ENVR 300-499</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>22</td>
</tr>
</tbody>
</table>

Course Descriptions

Please see the Course Descriptions section of this catalog (page 165).

Courses offered by the Department of Agricultural and Environmental Sciences include those with the following designations: AENV, AGRB, ANSC and ENVR.
Art and Design

Mike Wiggins, Chair
ACU Box 27987
Abilene, Texas 79699-7987
Don Morris Center, Room 142
Phone: 325-674-2085
Fax: 325-674-2051
Email: mmw03b@acu.edu
Web: www.acu.edu/art

Faculty
Geoffrey Broderick, Associate Professor
Ryan Feerer, Assistant Professor
Robert Green, Professor
Kenny Jones, Associate Professor
Jack Maxwell, Professor
Dan McGregor, Professor
Ronnie Rama, Associate Professor
Virginia Sadler, Professor
Nil Santana, Assistant Professor
Mike Wiggins, Associate Professor
Brandon Young, Associate Professor

Majors:
- Art (BFA)
- Graphic Design/Advertising (BS)
- Interior Design (BS)
- Architecture (AA)

Art BFA Concentrations:
- All-Level Teaching
- Graphic Design
- Painting
- Photography
- Sculpture

Minors:
- Art
- Art Therapy
- Graphic Design
- Interior Design

Introduction
The Department of Art and Design offers BFA, BS, and AA degrees. The Bachelor of Fine Arts degree is available in these areas of concentration: all-level teaching, graphic design, painting, photography, and sculpture. The Bachelor of Science degree is available in graphic design/advertising and Interior Design. The Interior Design degree (Bachelor of Science) is nationally accredited by the Council for Interior Design Accreditation (CIDA). The Associate of Arts degree is available in architecture. A minor in art, graphic design or interior design may be added to other ACU majors. The department owes its outstanding reputation to its faculty, facilities and students.

The versatile faculty is made up of award-winning artists and licensed design professionals, who actively produce and exhibit their creative work, and artists who are leaders in their various fields of discipline. These artists are also superb educators who love to teach because they love what they teach, who teach by what they say and by what they do, who motivate, inspire and nurture, and who become true mentors to their students.

These artists/teachers believe that art is important, that art makes a difference in this world, and that art makes this world a better place, a more beautiful place, and a more livable place. They are convinced that this world needs more than just artists; it needs Christian artists, artists who use their talent and various forms of creative expression to reflect a dimension of the very nature of God, God as Creator.

This faculty also believes that skills are important, that skills can be taught and that they can be learned. They believe that the most important skills for the art and design student, and any artist, transcend the newest technologies, media and processes. They believe that these most important skills are found in the ability to think creatively, to find creative solutions to difficult problems, and to courageously accept challenges and to overcome them. These are the abilities and skills that the faculty of the Department of Art and Design believes are most necessary to become leaders rather than followers, to become the next generation of gifted creative artists, designers and educators, and to become art professionals in the ever-growing number of art and art-related careers of the 21st century.

ACU art and design students and the art/design faculty enjoy the advantages of a spacious, well-equipped facility in the Alice Pratt Brown Art Hall, consisting of large functional studios, high-tech computer labs and specialized classroom spaces. The complex includes the Clover Virginia Shore Art Gallery, the heart of the department, an elegant showcase for the works of nationally recognized artists and of our students. The computer labs are state-of-the-art, providing the technology to meet the needs of the continually evolving and expanding areas of digital design. Private and semi-private studio spaces are provided on a competitive basis for our advanced students. In the three-dimensional areas, our students have access to the latest equipment and technologies: kilns, specialized welders and cutters, a well-equipped metal casting foundry, and pneumatic tools for the working of metals and the carving of stone and wood. The department wood shop is used for everything from the construction of frames upon which to stretch canvas, to the building of chairs for a three-dimensional design project, to a creative book-binding project for a graphic design course. Art is there to be seen; in the offices, in the classrooms and in the hallways, art is on display. Outside in the sculpture courtyard and throughout the landscaped campus, art is visible. Students frequently make use of the Maker Lab located in the Brown Library for course assignments.

Art and design graduates may pursue specialized post-graduate degrees in areas of interest such as architecture, interior design, industrial design, art therapy, arts administration, animation, illustration, painting, sculpture, etc. Those earning their MFA, the terminal degree in studio art, are eligible to teach art in colleges and universities. With the proper certification, ACU art and design graduates become educators in elementary and secondary education. ACU art and design graduates work in galleries and in museums as directors and administrators. They work as interior designers, space planners, architects, set designers, animators, book illustrators and graphic designers. They work in advertising as art directors and as creative consultants. Graduates of the Department of Art and Design become full-time creative artists who are supported by their gallery sales and commissions.

Graduates of the ACU Department of Art and Design also enjoy productive careers in many non-art related fields, as well as in every aspect of our society. In their respective vocations, they may not always use paint and an artist’s brush, but they do use what they learned as art and design majors to use their minds as a creative tool, whatever the application. For no brush is finer, no stone chisel is sharper and no ink flows more effortlessly than the keen and attentive mind, the spirit of the artist.

Departmental Perspective on Artistic Nudity
As part of our curriculum, certain classes in the Art and Design Department may feature works that contain artistic nudity. This specialized term is used to describe artworks that depict the unclothed human body in non-sexualized ways. Artistic nudity explores the beauty, brokenness, or mystery of the human condition without objectifying or eroticizing its subject. Artistic nudity stands in stark contrast (indeed, in direct opposition to) pornography, which exists exclusively to inflame sinful thinking and to degrade what God has made good and beautiful.

For hundreds of years, devout, faithful Christian artists have made artistic studies of the nude figure a part of their training. We believe in continuing – at least to a limited extent – this tradition of training so essential to the development of the practicing Christian artist. Such training is akin to the education of physicians and other medical
professionals, all of whom study the anatomy of the nude human figure, both in images and real life.

Consequently, projected or printed images featuring chaste artistic nudity may appear in some (certainly not all) Art and Design classes. We do not believe that these images would incite lustful thinking (in fact, the visual content of most tabloid magazines is more sexualized than these images). However, students are encouraged to consider this factor before taking Art and Design classes.

**General Departmental Requirements**

**Scholarships**

A limited number of departmental scholarships, based upon evidence of ability, quality of work, and/or need are available each year. Contact the department for applications.

**Transfer Students**

The transfer student receives credit for art/design courses completed at another college according to a routine evaluation made by the Registrar’s Office. Since a student’s courses vary greatly among schools, exact place in the ACU program can be determined only after he or she has demonstrated, in actual class work, an adequate level of performance commensurate with current classification. Credit hours transferred toward a degree in art or design shall not exceed one half of the credit hours within the major. A minimum of 24 hours of the total advanced hours in studio areas required for the BFA must be done at ACU.

**Art and Design Student Requirements**

All art and design majors must fulfill the requirements related to Art/Design Event Credits, Yearly Reviews and Student Competitions as described in the *Art & Design Student Requirements & Handbook*. Senior Interior Design majors perform a required Portfolio Review.

**Student Exhibitions**

All art and design majors are required to prepare and submit work for a senior show as described in the *Art & Design Student Requirements & Handbook*.

**Permanent Collection**

The art/design faculty reserves the right to make selections from current work each year to add to a permanent collection of outstanding student work that is used in public exhibitions. All work done as a part of class work by regularly enrolled students is the property of the department until released, and the department reserves the right to exhibit or to reproduce such work in publications of the university.

**Study Abroad Expectations**

All art and design majors are expected and encouraged to participate in ACU’s Study Abroad program. Classes may be offered in art appreciation, art history, special topics courses and selected studio areas.

**Course Availability**

Students should be advised that some listed courses are not offered every semester. Prior to the first class meeting, the department reserves the right to remove non-art/design majors from an art or design course that is full and needed by an art/design major. Priority will also be given to students who require courses for their concentration over majors and non-majors outside of that concentration.

**Audits**

With department chair approval, audits are allowed in studio courses with no tuition discount. Standard audit fees apply for lecture courses. Please inquire at the Registrar’s Office.

**Studio Time**

For each studio course meeting 6 hours per week, the student will be expected to devote a minimum of three additional hours of outside class time per week to class assignments.

**Admissions Requirements**

Prior to admittance in a program, a student must satisfy the requirements listed in the *ACT/SAT Placement Information* section of this catalog (page 19).

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**ART ALL-LEVEL TEACHING, GRAPHIC DESIGN, PAINTING, PHOTOGRAPHY, SCULPTURE (BFA)**

The Bachelor of Fine Art (BFA) is a studio intense course of study designed for students with a strong commitment to professional future as graphic designers, photographers, studio artists or artists/teachers. Students select a concentration from the areas of all-level teaching certification, graphic design, photography, painting or sculpture.

**BFA: ART ALL-LEVEL TEACHING, GRAPHIC DESIGN, PAINTING, PHOTOGRAPHY, SCULPTURE (BFA)**

**UNIVERSITY REQUIREMENTS**

Please see the University Requirements section of this catalog (page 37).

**MAJOR REQUIREMENTS**

**Art**

- ART 105 Two-Dimensional Design ........................................ 3
- ART 106 Three-Dimensional Design ....................................... 3
- ART 111 Basic Drawing ....................................................... 3
- ART 112 Figure Drawing I .................................................... 3
- ART 221 Art History: Survey I .............................................. (3h)
- ART 222 Art History: General Survey II ................................. (3h)
- ART 315 Printmaking ............................................................ 3
- ART History: ART 324 or ART 325 ....................................... 3
- ART 331 Sculpture I .............................................................. 3
- ART 341 Painting I ............................................................... 3
- ART 423 Art History: 20th Century (capstone and writing intensive course) ................................................................. 3

**TOTAL ................................................................. 30**

**CONCENTRATIONS**

**All-Level Teaching (ARTT)**

- ART 287 Art Education Methods: All-Levels .......................... 3
- ART 291 Introduction to Black and White Photography ............ 3
- ART 351 Typography I ......................................................... 3
- ART 361 Ceramics I or ART 371 Jewelry/Metal I ................. 3
- ART 213 Figure Drawing II .................................................. 3
- ART 314 Advanced Drawing ................................................ 3
- Two-or three-dimensional studio elective (ART 200-499) .......... 3
- EDUC 211 Educational Foundations and Multicultural Perspectives .................................................. (3h)
- EDUC 221 Educational Psychology ....................................... (3h)
- EDUC 412/432 Secondary Curriculum and Media/Secondary Management and Methods (capstone courses) or EDUC 411/431 Elementary Curriculum and Media/Elementary Management and Methods (capstone courses) .......... 6
- EDUC 476 Effective Strategies for English Language Learners ... 3
- EDUC 490 Student Teaching (capstone course) ....................... 6
- SPED 371 Teaching Students with Special Needs (writing-intensive course) ...................................................... 3

**TOTAL ................................................................. 39**

**Graphic Design (GRDS)**

- ART 291 Introduction to Black and White Photography ............ 3
- ART 317 Introduction to Illustration ...................................... 3
- ART 318 Digital Illustration .................................................. 3
- ART 351 Typography I ......................................................... 3
- ART 352 Typography II ....................................................... 3
- ART 353 Identity and Brand Design ....................................... 3
- ART 454 Information Graphics ............................................. 3
- ART 455 Persuasive Graphics ................................................ 3
- ART 456 Graphic Design Portfolio (capstone course) ............. 3
- ART 457 Interactive Design .................................................. 3
- Choose 9 hours of two-and/or three-dimensional studio (ART 200-499) ................................................................. 9

**TOTAL ................................................................. 39**

**Painting (PTNG)**

- ART 213 Figure Drawing II .................................................. 3
- ART 314 Advanced Drawing ................................................ 3
- ART 342 Painting II ............................................................ 3
- ART 425 Art Theory ............................................................... 3
**GRAPHIC DESIGN/ADVERTISING DEGREE PLAN**

**ART**
- ART 443 Painting III ................................................. 3
- ART 444 Painting IV ................................................... 3
- ART 490 Advanced Studio Problems ......................... 3
- ART 494 Senior Exhibition ......................................... 3
- ART 495 Life and Career in Art (capstone course) .......... 3

Choose 12 hours of two and/or three-dimensional studio (ART 200-499) .................................................. 12

**TOTAL** ................................................................. 39

**Photography (PHTO)**
- ART 213 Figure Drawing II ....................................... 3
- ART 291 Introduction to Black and White Photography .... 3
- ART 292 Digital Art Photography ................................. 3
- ART 314 Advanced Drawing ....................................... 3
- ART 391 Advanced Photography I: Commercial Practices ... 3
- ART 392 Advanced Photography II: Moving Picture ....... 3
- ART 425 Art Theory .................................................... 3
- ART 456 Graphic Design Portfolio (capstone course) .... 3
- ART 494 Senior Exhibition ......................................... 3

Choose 12 hours of two and/or three-dimensional studio (ART 200-499) .................................................. 12

**TOTAL** ................................................................. 39

**Sculpture (SCPT)**
- ART 213 Figure Drawing II ....................................... 3
- ART 314 Advanced Drawing ....................................... 3
- ART 322 Sculpture II .................................................. 3
- ART 425 Art Theory .................................................... 3
- ART 433 Sculpture III .................................................. 3
- ART 434 Sculpture IV .................................................. 3
- ART 490 Advanced Studio Problems ......................... 3
- ART 494 Senior Exhibition ......................................... 3
- ART 495 Life and Career in Art (capstone course) .......... 3

Choose 12 hours of two and/or three-dimensional studio (ART 200-499) .................................................. 12

**TOTAL** ................................................................. 39

*Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

**SUPPLEMENT FOR MAJOR**

Sophomore (or higher) Literature ..................................... 3

**TOTAL** ................................................................. 3

**ELECTIVES**

Minimum ........................................................................ 3

**TOTAL MAJOR HOURS .................................................. 75

**CRITERIA FOR ADMISSION TO TEACHER EDUCATION**

In accordance with Texas state law, students must meet the admission criteria described on page 115.

**OTHER GRADUATION REQUIREMENTS**

Minimum GPA in major (GRDS, PTNG, PHTO, SCPT) ........ 2.25
Minimum GPA for graduation (GRDS, PTNG, PHTO, SCPT) ... 2.00
Minimum GPA in major (ARTT) ....................................... 2.75
Minimum GPA for graduation (ARTT) ......................... 2.75
Minimum advanced hours ........................................... 33
Minimum total hours .................................................... 131

Transfer students must complete a minimum of 24 hours of the total advanced hours in studio areas at ACU.

*Courses numbered 0** do not count in minimum hours required for degree.

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**INTERIOR DESIGN (BS)**

The Bachelor of Science degree in Interior Design is nationally accredited by the Council for Interior Design Accreditation (CIDA). The curriculum prepares students for careers in business, industry and retail, and for research and graduate study. The curriculum is designed for those interested in how technical and aesthetic aspects of interior design affect a diversity of populations in residential and non-residential environments. The curriculum prepares students with unique problem solving techniques to creatively plan and design environments that protect the health, safety and welfare of building occupants.
### BS: INTERIOR DESIGN DEGREE PLAN (INTD)

<table>
<thead>
<tr>
<th>UNIVERSITY REQUIREMENTS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Please see the University Requirements section of this catalog (page 37).</td>
<td></td>
</tr>
</tbody>
</table>

### MAJOR REQUIREMENTS

**Art**
- ART 105 Two-Dimensional Design ........................................... 3
- ART 106 Three-Dimensional Design .................................. 3
- ART 222 Art History: General Survey II ............................. (3)

**Design**
- DSGN 102 Introduction to Interior Design ................................. 3
- DSGN 111 Design Drawing I .................................................. 3
- DSGN 201 Fundamental Design I ........................................... 3
- DSGN 202 Fundamental Design II ......................................... 3
- DSGN 211 Design Drawing II ................................................. 3
- DSGN 221 History of Architecture & Design I ............................. 3
- DSGN 222 History of Architecture & Design II .............................. 3
- DSGN 232 Digital Design Communication .................................. 3
- DSGN 301 Intermediate Interior Design I ................................. 3
- DSGN 302 Intermediate Interior Design II ................................. 3
- DSGN 351 Interior Components (writing-intensive course) ........... 3
- DSGN 352 Building Systems .................................................. 3
- DSGN 401 Advanced Interior Design ....................................... 3
- DSGN 402 Design, Construction and Details for Interiors .......... 3
- DSGN 461 Professional Principles and Practices (for Design Practitioners) ......................................................... 3
- DSGN 463 Field Experience (capstone course) ......................... 3

**TOTAL MAJOR HOURS** ............................................................... 54

### Electives

**Choose 1 track:**

**Art and Design Track Option**
- ART/DSGN 100-400 level (of which 1 must be upper level; course prerequisites must be followed) ........................................... 12

**Business Track Option**
- Business Courses 100-400 level (of which 1 must be upper level; course prerequisites should be followed)
- Suggestions: ACCT 210, 211; BUSA 120, ECON 261; FIN 310, 416; MGMT 330, 331, 373; MKTG 320, 342, 343, or 344 .......................... 12

**TOTAL** .......................................................................................... 12

*Hours (in parentheses) may also fulfill university requirements and are not included in total major hours.*

### TOTAL MAJOR HOURS

.................................................. .................................. 72

### OTHER GRADUATION REQUIREMENTS

- Minimum grade in art and design courses ................................ C
- Minimum GPA for graduation ................................................. 2.00
- Minimum advanced hours .................................................... 33
- Minimum total hours ............................................................. 128

*Courses numbered 0** do not count in minimum hours required for degree.*

### ARCHITECTURE (AA)

The Associate of Arts degree is a 69-hour, two-year program of study designed for students who have an interest in architecture. Upon completion of this degree, students wishing to pursue a career in this discipline should expect to either complete their architectural training at another university or complete a bachelor’s at ACU in a related major with the expectation of some required leveling work prior to acceptance in a graduate level architecture program. The curriculum is designed for those interested in how technical and aesthetic aspects of architectural design affect a diversity of populations in a variety of contexts. The foundational curriculum prepares students with essential architectural design problem solving techniques and skills.

### AA: ARCHITECTURE DEGREE PLAN (ARCH)

<table>
<thead>
<tr>
<th>UNIVERSITY REQUIREMENTS</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Please see the University Requirements section of this catalog (page 37).</td>
<td></td>
</tr>
</tbody>
</table>

### The Core

- CORE 110 Cornerstone
- CORE 210 Human Identity and Community

### Bible

- BIBL 101 Jesus: His Life and Teachings
- BIBL 102 Early Christians: Life, Literature and Community

### English

- ENGL 111 Composition and Rhetoric (or ENGL 106/006 and 107/007)
- ENGL 112 Composition and Literature

### Communication

- COMM 211 Speech and Rhetoric

### Science

- **Agricultural and Environmental Science**
  - AENV 130 Environmental and Technological Science
  - ANSC 111 General Animal Science
  - ENVR 112 Plant Science
  - ENVR 233 Soil Science

- **Chemistry**
  - BIOL 101 Biology: Human Perspective
  - BIOL 112/114 General Biology I/General Biology I Lab
  - BIOL 113/115 General Biology II/General Biology II Lab
  - BIOL 203 Basic Biology for Teachers
  - BIOL 291/293 Anatomy and Physiology I/Anatomy and Physiology I Lab
  - BIOL 292/294 Anatomy and Physiology II/Anatomy and Physiology II Lab

- **Geology**
  - GEOL 111 Introduction to Geology
  - NUTR 120 Nutrition Wellness

- **Physics**
  - PHYS 101 Astronomy
  - PHYS 102 Physical Science
  - PHYS 110/111 General Physics I/General Physics I Lab
  - PHYS 112/113 General Physics II/General Physics II Lab
  - PHYS 220/221 Engineering Physics I/Engineering Physics I Lab
  - PHYS 222/223 Engineering Physics II/Engineering Physics II Lab
  - PHYS 330/331 Modern Physics/Modern Physics Lab
  - PHYS/PHIL 378 History and Philosophy of Science

- **Mathematics** ........................................................................ 3
  - MATW 120/020, MATH 120 or higher

- **Social Science** ...................................................................... 3

- **Anthropology**
  - ANTH 101 Introduction to Anthropology

- **Economics**
  - AGRB 261 Principles of Agricultural and Applied Economics
  - ECON 260 Principles of Macroeconomics
  - ECON 261 Principles of Microeconomics
  - ENGR 350 Engineering Economics

- **Family Studies**
  - FAM 251 Introduction to Family Studies

- **Geography**
  - GEOG 235 World Geography

- **History and Global Studies**
  - GLST 120 Introduction to Global Issues
MINOR: ART (ART)

Art Foundations
ART 105 Two-Dimensional Design ........................................... 3
ART 106 Three-Dimensional Design ........................................... 3
ART 111 Basic Drawing .......................................................... 3
ART 112 Figure Drawing .......................................................... 3

Art History
ART 222 Art History: General Survey II .................................... 3

Advanced Art Selections from:
Choose 2 hours from: ART 300-499 ....................................... 6

TOTAL ................................................................. 21

Minor in Art for Art Therapy

MINOR: ART FOR ART THERAPY (ARTP)

Required Courses
ART 105 Two-Dimensional Design ........................................... 3
ART 106 Three-Dimensional Design ........................................... 3
ART 111 Basic Drawing .......................................................... 3
ART 112 Figure Drawing .......................................................... 3
ART 351 Painting 1 ............................................................... 3

TOTAL ................................................................. 15

Choose one course from the following: .................................. 3
ART 331 Sculpture 1 or ART 342 Painting 2

TOTAL ................................................................. 18
Students must make a C or higher in all course work. Be advised that graduate programs in Art Therapy have a variety of admission requirements. Please consult individual programs for specific requirements that may differ from this minor.

### Minor in Graphic Design

**MINOR: GRAPHIC DESIGN (GRDS)**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 105 Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 111 Basic Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 222 Art History; General Survey II</td>
<td>3</td>
</tr>
<tr>
<td>ART 351 Typography I</td>
<td>3</td>
</tr>
<tr>
<td>ART 352 Typography II</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**Choose 2 courses from the following:**

- ART 291 Introduction to Black and White Photography
- ART 353 Identity and Brand Design, ART 454 Information Graphics or ART 455 Persuasive Graphics
- ART 445 Information Graphics, ART 457 Interactive Design

**or the 2 following courses**

- DSGN 111 Design Drawing I
- DSGN 221 History Architecture & Design I

**TOTAL**

<table>
<thead>
<tr>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
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</tbody>
</table>

**OTHER REQUIREMENTS**

Minimum grade in all courses required for minor .......... C

### Minor in Interior Design

**MINOR: INTERIOR DESIGN (INTD)**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSGN 102 Introduction to Interior Design</td>
<td>3</td>
</tr>
<tr>
<td>DSGN 111 Design Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>DSGN 201 Fundamental Design I</td>
<td>3</td>
</tr>
<tr>
<td>DSGN 202 Fundamental Design II</td>
<td>3</td>
</tr>
<tr>
<td>DSGN 301 Intermediate Interior Design I</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**Choose 2 courses from the following:**

(at least 1 course must be upper-level): 6

- DSGN 221 History Architecture & Design I
- DSGN 222 History Architecture & Design II
- DSGN 232 Digital Design Communication
- DSGN 302 Intermediate Interior Design II
- DSGN 351 Interior Components (writing-intensive course)
- DSGN 352 Building Systems
- DSGN 461 Professional Principles and Practices (for Design Practitioners)

**TOTAL**

<table>
<thead>
<tr>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
</tr>
</tbody>
</table>

**OTHER REQUIREMENTS**

Minimum grade in all courses required for minor .......... C

---

**Course Descriptions**

Please see the *Course Descriptions* section of this catalog (page 165). Courses offered by the Department of Art include those with the following designations: ART and DSGN.

---

**Biology**

Tom Lee, *Chair*

ACU Box 27868

Abilene, Texas 79699-7868

Foster Science Building, Room 477

Phone: 325-674-2188

Fax: 325-674-2009

Email: leet@acu.edu

Web: www.acu.edu/biology

**Faculty**

- Daniel K. Brannan, *Professor*
- Joshua Brokaw, *Associate Professor*
- Patricia Hernandez, *Professor*
- Jennifer Huddleston, *Assistant Professor*
- Rebecca Hunter, *Assistant Professor*
- Tom Lee, *Professor*
- James R. Nichols, *Professor*
- Qiang Xu, *Associate Professor*

**Majors:**

- Biology (BA)
- Biology (BS)

**Minor:**

High School Teacher Certification - Life Science (BS)

**Minor:**

- Biology

The Department of Biology offers the Bachelor of Science degree and the Bachelor of Arts degree with a major in biology or biology for teacher certification. The department works with the Department of Teacher Education to offer a Bachelor of Science: High School Certification Life Science (Grades 8-12) degree. A minor in biology may be added to other majors.

**Introduction**

The Department of Biology educates students for Christian service and leadership throughout the world by preparing them to become biological scientists, pre-college teachers and health-care professionals. The Bachelor of Science: High School Certification Life Science (Grades 8-12) is the avenue for preparation of pre-college teachers. The Bachelor of Science and Bachelor of Arts in biology are the avenues for:

- **Cellular/molecular biology emphasis.** Much of modern biology exists at the interface of biology and chemistry. Through effective classes, laboratories and research opportunities the Department of Biology draws students to the molecular/biochemical level of life. Many students in health-care professions also choose this emphasis.

- **Organisms biology/field emphasis.** An array of field biology oriented courses, research opportunities, and field trips to such sites as Honduras, Big Bend, Texas, and New Mexico offer study experiences in marine, fresh water, and terrestrial ecosystems. These opportunities are supplemented by ACU being a participating university with the Au Sable Institute. Au Sable offers field courses in the beautiful north woods country of Michigan’s Lower Peninsula and on Whidbey Island in Puget Sound between Vancouver and Seattle. Au Sable’s mission is “the integration of knowledge of the creation with biblical principles for the purpose of bringing the Christian community and the general public to a better understanding of the Creator and the stewardship of God’s creation.” This fits well with the goal of ACU’s Biology Department.

- **Health professions/human biology emphasis.** Historically ACU Biology graduates have been accepted to medical and dental schools, as well as other health-care programs, at almost twice the national average. This is a result of high quality classes and laboratories emphasizing human biology and the leveling effect of learning to use human healing gifts in God’s service. Medical missions receives clear emphasis in the
Department and many students participate during their career in one or more medical missions trips, many of them coordinated through our long-term relationship with Health Talents International (HTI). The majority of these efforts are in Guatemala. HTI’s mission is “to proclaim the gospel of Jesus Christ through teaching and healing ministries.” ACU’s relationship with HTI provides students an opportunity to blend faith and learning in an applied manner that serves the spiritual and physical health needs of others throughout the world.

- **General biology emphasis.** Some students prefer to pursue a more general biology program that allows them to touch many different areas. Past students have used this emphasis to enter law school, gain employment in industry or government, or in science writing.

- **Biology/business emphasis.** Students interested in mixing a strong biology education with some key courses from the world of business would find this track helpful. It includes a full set of biology courses and adds basic courses in such areas as accounting, management, and marketing. Students might use this emphasis to lead toward a career in health care administration, pharmaceutical sales, or law.

- **Pre-veterinary medicine emphasis.** ACU graduates have achieved high acceptance rates to veterinary schools as a result of high quality classes and laboratories emphasizing animal anatomy, physiology, pathology, nutrition, and genetics. The pre-veterinary option satisfies requirements for admission to veterinary school and related medical technical fields or graduate school for study in animal genetics, nutrition, pathology, and physiology.

- **Wildlife biology emphasis.** This option is designed for students interested in understanding, managing, and conserving wildlife species and the ecosystems that support them. Wildlife biology students will gain fieldwork experience throughout the American Southwest as well as at the Au Sable Institute in Michigan. Courses taken in this emphasis provide the opportunity to obtain professional certification as an Associate Wildlife Biologist through The Wildlife Society. This certification serves as a standardized mark of accomplishment and a measure of professional status and credibility in the field of wildlife biology. Professional certification also may set graduates apart from others in a competitive marketplace and allow a greater range of career opportunities.

**Study Abroad Expectations**
All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year.

**Bachelor of Science Degree (BS)**
The Bachelor of Science degree in Biology is needed for most graduate schools with programs in the biological sciences. Most health professions schools require a bachelor’s degree in any field including all of the liberal arts, provided the prerequisite science and math courses are taken. Discuss the specific requirements with the pre-health professions advisor.

**Admission Requirements**
Before being admitted to the BS in biology, a student must satisfy the requirements listed in the *ACT/SAT Placement Information* section of this catalog (page 19).

**Biology (BS)**

### UNIVERSITY REQUIREMENTS
Please see the University Requirements section of this catalog (page 37).

### MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>BS: BIOLOGY DEGREE PLAN (BIOL)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UNIVERSITY REQUIREMENTS</strong></td>
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<tr>
<td><strong>MAJOR REQUIREMENTS</strong></td>
</tr>
<tr>
<td>Biology</td>
</tr>
<tr>
<td>BIOL 112 General Biology I</td>
</tr>
<tr>
<td>BIOL 114 General Biology I Lab</td>
</tr>
<tr>
<td>BIOL 113/115 General Biology II Lecture/Lab</td>
</tr>
<tr>
<td>BIOL 362 Ecology</td>
</tr>
<tr>
<td>BIOL 497 Seminar in Biology</td>
</tr>
<tr>
<td>OR BIOL 492/495 Physiology</td>
</tr>
<tr>
<td>TOTAL</td>
</tr>
</tbody>
</table>

**CONCENTRATIONS (choose one)**

**CELLULAR/MOLECULAR BIOLOGY Track (BICM)**

| BIOL 221/223 Animal Biology Lecture/Lab or BIOL 222/224 Plant Biology Lecture/Lab | 4 |
| BIOL 312 Cell Biology 3     | 3   |
| BIOL 472 Biochemistry I 1     | 3   |
| BIOL 475 Molecular Genetics 3 |     |
| BIOL 476 Biotechnology Laboratory 2 |     |
| BIOA or BIOL Selections: 13 hours of which 9 are 300-499 13 |     |
| TOTAL                       | 28  |

**GENERAL BIOLOGY Track (BIOG)**

| BIOL 221/223 Animal Biology Lecture/Lab or BIOL 222/224 Plant Biology Lecture/Lab | 4 |
| BIOL 312 Cell Biology 3     | 3   |
| BIOL 355/357 Microbiology 4 |     |
| BIOL 491/493 Human Anatomy 4 |     |
| BIOL 492/495 Physiology 4   |     |
| BIOL Selections: 9 hours of which 5 are 300-499 9 |     |
| TOTAL                       | 28  |

**HEALTH PROFESSIONS Track (BIOH)**

| BIOL 221/223 Animal Biology Lecture/Lab or BIOL 222/224 Plant Biology Lecture/Lab | 4 |
| BIOL 312 Cell Biology 3     | 3   |
| BIOL 351 Genetics 3         |     |
| BIOL 364 Ecology Laboratory 1 |     |
| Choose 2 courses from:     | 7   |
| BIOL 355/357 Microbiology or BIOL 370 Field Biology, or BIOL 380 General Mammalogy, or BIOL 403 Marine Biology or BIOL 425 Behavioral Biology, Theory & Methods or BIOL 481 Plant Systematics or BIOL 483 Biostatistics or BIOL 492/495 Physiology |     |
| BIOA or BIOL Selections: 300-499 6 |     |
| TOTAL                       | 28  |

**ORGANISMAL BIOLOGY Track (BIOO)**

| BIOL 221/223 Animal Biology Lecture/Lab | 4 |
| BIOL 222/224 Plant Biology Lecture/Lab | 4 |
| BIOL 312 Cell Biology 3     | 3   |
| BIOL 351 Genetics 3         |     |
| BIOL 364 Ecology Laboratory 1 |     |
| BIOL 370 Field Biology, or BIOL 380 General Mammalogy, or BIOL 403 Marine Biology or BIOL 425 Behavioral Biology, Theory & Methods or BIOL 481 Plant Systematics or BIOL 483 Biostatistics or BIOL 492/495 Physiology |     |
| BIOA or BIOL Selections: 300-499 6 |     |
| TOTAL                       | 28  |

**PRE-VETERINARY MEDICINE Track (BIOV)**

| BIOL 221/223 Animal Biology Lecture/Lab | 4 |
| BIOL 312 Cell Biology 3     | 3   |
| BIOL 351 Genetics 3         |     |
| BIOL 355/357 Microbiology Lecture/Lab | 4 |
| BIOL 472 Biochemistry I 3     | 3   |
| BIOL 492/495 Physiology 4   |     |
| BIOL Selections: 9 hours of which 5 are 300-499 9 |     |
| TOTAL                       | 21  |

**WILDLIFE BIOLOGY Track (BIOW)**

<p>| BIOL 221/223 Animal Biology Lecture/Lab | 4 |
| BIOL 222/224 Plant Biology Lecture/Lab | 4 |
| BIOA 345 Wildlife Ecology 4 |     |
| BIOA 351 Genetics 3     |     |
| BIOA 362 Environmental Applications for GIS 4 |     |
| BIOL 364 Ecology Laboratory 1 |     |
| TOTAL                       | 1   |</p>
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BIOL 370</td>
<td>Field Biology</td>
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<tr>
<td>BIOL 380</td>
<td>General Mammalogy</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 481</td>
<td>Plant Systematics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 483</td>
<td>Biostatistics</td>
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<tr>
<td><strong>TOTAL</strong></td>
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### SUPPLEMENT FOR MAJOR (BICM, BIOG, BIOH, BIO)

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<th>Section</th>
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<th>Hours</th>
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<tr>
<td>Chemistry</td>
<td>CHEM 133 General Chemistry I</td>
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<tr>
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<td>CHEM 131 General Chemistry I Lab</td>
<td>1</td>
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<tr>
<td></td>
<td>CHEM 132/134 General Chemistry II Lecture/Lab</td>
<td>4</td>
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<tr>
<td></td>
<td>CHEM 221/223 Organic Chemistry I Lecture/Lab</td>
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<tr>
<td></td>
<td>CHEM 322/324 Organic Chemistry II Lecture/Lab</td>
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</table>

1. Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

### SUPPLEMENT FOR MAJOR (BIO)

<table>
<thead>
<tr>
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<th>Hours</th>
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<tbody>
<tr>
<td>College of Business Administration</td>
<td>ACCT 210 Financial Accounting</td>
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<tr>
<td></td>
<td>FIN 310 Financial Management</td>
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</tr>
<tr>
<td></td>
<td>MGMT 330 Management and Organizational Behavior</td>
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<td></td>
<td>MKTG 320 Principles of Marketing or MKTG 343 Personal Selling</td>
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<tr>
<td>Mathematics</td>
<td>MATH 124 Precalculus II or MATH 131 Calculus for Application</td>
<td>(3)</td>
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<tr>
<td>Literature</td>
<td>(not including ENGL 351)</td>
<td>3</td>
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<tr>
<td><strong>TOTAL</strong></td>
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### SUPPLEMENT FOR MAJOR (BIOV)

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<tr>
<td>Animal Science</td>
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<tr>
<td>Chemistry</td>
<td>CHEM 133 General Chemistry I</td>
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<td></td>
<td>CHEM 131 General Chemistry I Lab</td>
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<td></td>
<td>CHEM 132/134 General Chemistry II Lecture/Lab</td>
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<td>CHEM 221/223 Organic Chemistry I Lecture/Lab</td>
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<td>CHEM 322/324 Organic Chemistry II Lecture/Lab</td>
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<tr>
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<td>MATH 131 Calculus for Application or MATH 185 Calculus I</td>
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<tr>
<td>Psychology</td>
<td>PSYC 120 Introduction to Psychology</td>
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<tr>
<td>Writing</td>
<td>ENGL 326 Business and Professional Writing</td>
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<tr>
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1. Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

### SUPPLEMENT FOR MAJOR (BIOW)

<table>
<thead>
<tr>
<th>Section</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Chemistry</td>
<td>CHEM 133 General Chemistry I</td>
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<tr>
<td></td>
<td>CHEM 131 General Chemistry I Lab</td>
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<tr>
<td></td>
<td>CHEM 132/134 General Chemistry II Lecture/Lab</td>
<td>4</td>
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<tr>
<td></td>
<td>CHEM 221/223 Organic Chemistry I Lecture/Lab</td>
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<td></td>
<td>CHEM 322/324 Organic Chemistry II Lecture/Lab</td>
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</tr>
<tr>
<td>Physics</td>
<td>PHYS 110/111 General Physics I Lecture/Lab</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>PHYS 112/113 General Physics II Lecture/Lab</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics</td>
<td>MATH 131 Calculus for Application or MATH 185 Calculus I</td>
<td>(3)</td>
</tr>
<tr>
<td>Psychology</td>
<td>PSYC 120 Introduction to Psychology</td>
<td>(3)</td>
</tr>
<tr>
<td>Writing</td>
<td>ENGL 326 Business and Professional Writing</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
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</tr>
</tbody>
</table>

1. Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

### SUPPLEMENT FOR MAJOR (BIOV)

<table>
<thead>
<tr>
<th>Section</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animal Science</td>
<td>ANSC 336 Animal Nutrition</td>
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</tr>
<tr>
<td>Chemistry</td>
<td>CHEM 133 General Chemistry I</td>
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<td>CHEM 131 General Chemistry I Lab</td>
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<td>CHEM 132/134 General Chemistry II Lecture/Lab</td>
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<td>Mathematics</td>
<td>MATH 131 Calculus for Application or MATH 185 Calculus I</td>
<td>(3)</td>
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<tr>
<td>Psychology</td>
<td>PSYC 120 Introduction to Psychology</td>
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</table>

1. Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

### ELECTIVES

<table>
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<tr>
<th>Section</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Minimum (BICM, BIOG, BIOH, BIO)</td>
<td></td>
<td><strong>9</strong></td>
</tr>
<tr>
<td>Minimum (BIO)</td>
<td></td>
<td><strong>13</strong></td>
</tr>
<tr>
<td>Minimum (BIOV)</td>
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<td><strong>10</strong></td>
</tr>
<tr>
<td>Minimum (BIOW)</td>
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<td><strong>3</strong></td>
</tr>
<tr>
<td><strong>TOTAL MAJOR HOURS</strong></td>
<td></td>
<td><strong>72</strong></td>
</tr>
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<td><strong>OTHER GRADUATION REQUIREMENTS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum GPA in major</td>
<td></td>
<td><strong>2.00</strong></td>
</tr>
<tr>
<td>Minimum GPA for graduation</td>
<td></td>
<td><strong>2.00</strong></td>
</tr>
<tr>
<td>Minimum advanced hours</td>
<td></td>
<td><strong>33</strong></td>
</tr>
<tr>
<td>Minimum total hours</td>
<td></td>
<td><strong>128</strong></td>
</tr>
<tr>
<td><strong>Courses numbered 0</strong> do not count in minimum hours required for degree.**</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### HIGH SCHOOL TEACHER CERTIFICATION - LIFE SCIENCE (BS)

#### BS: HIGH SCHOOL TEACHER CERTIFICATION – LIFE SCIENCE DEGREE PLAN (BIOT)

### UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

### MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>BIOL 112</td>
<td>General Biology I</td>
<td>(3)</td>
</tr>
<tr>
<td></td>
<td>BIOL 114</td>
<td>General Biology I Lab</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>BIOL 113/115</td>
<td>General Biology II Lecture/Lab</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>BIOL 221/223</td>
<td>Animal Biology Lecture/Lab</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>BIOL 312</td>
<td>Cell Biology Lecture</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>BIOL 353/354</td>
<td>General Microbiology Lecture/Lab</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>BIOL 362/364</td>
<td>Ecology Lecture/Lab</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>BIOL 401</td>
<td>Secondary Science Teaching Methods</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>BIOL 492/495</td>
<td>Physiology Lecture/Lab</td>
<td>4</td>
</tr>
</tbody>
</table>
Bachelor of Arts Degrees (BA)

The Bachelor of Arts degree in biology serves as a professional degree for those who typically do not wish to pursue graduate work in the biomedical or laboratory sciences. It may serve as a foundation for field and ecological sciences provided a sufficient statistics course is also taken. It may serve as a solid liberal arts degree for students wishing to pursue science writing, for example.

**Admission Requirements**

Before being admitted to a program, a student must satisfy the requirements listed in the *ACT/SAT Placement Information* section of this catalog (page 19).

**MAJOR REQUIREMENTS**

**Chemistry**

*CHEM 113 Introductory Chemistry* .......................... (3)*

*CHEM 111 Introductory Chemistry Lab* .......................... 1

*CHEM 114/112 Introductory Organic and Biological Chemistry* .......................... 4

*or*

*CHEM 133 General Chemistry I (requires MATH 124 or 185 or placement into MATH 124 or 185)* .......................... (3)*

*CHEM 131 General Chemistry I Lab* .......................... 1

*CHEM 132/134 General Chemistry II Lecture/Lab* .......................... 4

*CHEM 497 Seminar in Biology (capstone and writing-intensive course)* .......................... 3

**Advanced Biology** (BIOA or BIOI 300-499) .......................... 17

**SUPPLEMENT FOR MAJOR**

**Course Concentration**

Courses in another department (required CHEM and University Requirements courses are excluded) .......................... 12

**Foreign Language**

*FLLA, FREN, GER, or SPAN 221, 222* .......................... 6

**Sophomore (or higher) Literature** (Not including ENGL 351) .......................... 3

**TOTAL** .......................... 26

**ELECTIVES**

*Minimum (BIOT)* .......................... 13

*Minimum (BTCs)* .......................... 1

**TOTAL MAJOR HOURS** .......................... 72

**CRITERIA FOR ADMISSION TO TEACHER EDUCATION**

In accordance with Texas state law, students must meet the admission criteria described on page 115.

**OTHER GRADUATION REQUIREMENTS**

*Minimum grade for majors courses* .......................... C

*Minimum GPA for graduation* .......................... 2.75

*Minimum advanced hours* .......................... 33

*Minimum total hours* .......................... 128

Courses numbered 0** do not count in minimum hours required for degree.
Cooperative Bachelor of Science Degrees (BS)
ACU awards the bachelor’s degree to certain qualified students who have satisfactorily completed three years of prescribed work at ACU (a minimum of 104 hours) plus one year at a recognized professional school. Students in the cooperative degree program are advised by the advisors for health professions (see the Academic Advising section of this catalog [page 27]). See the Health Professions Cooperative Degree in the Interdisciplinary Programs section of this catalog for complete course requirements (page 123).

Admission Requirements
Before being admitted to a program, a student must satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19).

Minor in Biology

<table>
<thead>
<tr>
<th>MINOR: BIOLOGY (BIOL)</th>
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</thead>
<tbody>
<tr>
<td>Biology selections from:</td>
</tr>
<tr>
<td>BIOL 100-299 ................................................................. 12</td>
</tr>
<tr>
<td>Advanced biology selections from:</td>
</tr>
<tr>
<td>BIOA or BIOL 300-499 ................................................................. 6</td>
</tr>
<tr>
<td>TOTAL ................................................................. 18</td>
</tr>
</tbody>
</table>

Note: A grade of at least C is required in BIOL 112/114 and BIOL 113/115 to enroll in any subsequent Biology course for which they are prerequisites.

Course Descriptions
Please see the Course Descriptions section of this catalog (page 165). Courses offered by the Au Sable Institute include those with the following designation: BIOA. Courses offered by the Department of Biology include those with the following designation: BIOL.

Chemistry and Biochemistry

Kim Pamplin, Chair
ACU Box 28132
Abilene, Texas 79699-8132
Foster Science Building, Room 256
Phone: 325-674-2176
Fax: 325-674-6988
Email: pamplin@acu.edu
Web: www.acu.edu/chemistry

Faculty
Eric Hardegree, Professor
Sarah Lee, Assistant Professor
Kim Pamplin, Professor
Cynthia Powell, Associate Professor
Gregory Powell, Professor
Perry Reeves, Professor Emeritus
Brad Rix, Associate Professor
Autumn Sutherlin, Associate Professor

 Majors: Biochemistry (BA)
 Biochemistry (BS)
 Chemistry (BS)
 High School Teacher Certification (BS) - Physical Science

Minor: Chemistry
The Department of Chemistry and Biochemistry offers Bachelor of Science degrees in chemistry and biochemistry. A Bachelor of Arts degree in biochemistry is also offered. The department works with the Department of Teacher Education to offer teacher certification in chemistry, physical science and composite science. A “fast-track” cooperative degree in biochemistry is available for students who wish to enter professional school after three years at ACU (see the Interdisciplinary section of the catalog [page 123]). A minor in chemistry may be added to other majors.

Introduction
The Department of Chemistry and Biochemistry has the finest facilities, including more than a dozen undergraduate and research laboratories, and an outstanding faculty, all of whom hold a PhD. The undergraduate program has been approved by the American Chemical Society (ACS) since 1971.

A major in chemistry or biochemistry prepares a student for a wide variety of work opportunities. Advancing the frontiers of chemical and biochemical knowledge through research can be accomplished in an academic or industrial setting. Alumni teach chemistry and other sciences at any level from grade school through university. Chemists and biochemists work in areas of biotechnology, polymers, forensics, environmental monitoring and remediation, and also in the petroleum, pharmaceutical and manufacturing industries. More than 118 scientists have earned their Ph.D. degrees after majoring in chemistry or biochemistry at ACU.

Health professions such as medicine and dentistry require an understanding of chemistry and biochemistry as a basis for advanced study. More than 210 physicians, dentists, and other health professionals have majored in chemistry or biochemistry at ACU as a part of their pre-professional training. In addition, law schools and business schools readily admit individuals with strong science backgrounds to their graduate programs.

To help students better tailor their undergraduate program to eventual career goals, the department offers ten degree programs. Bachelor of Science programs in chemistry (ACS track) or biochemistry (ACS or standard tracks) are designed for students who plan a career as a
professional chemist or biochemist, or those who intend to work toward a graduate degree. The BS degrees in chemistry and biochemistry (ACS tracks) are designed to comply with ACS guidelines. The BS degree in physical science teaching includes three tracks that allow students a range of options. The chemistry teaching track focuses specifically on chemistry and leads to the chemistry teaching certification. The physical science track leads to the physical science certification and adds more physics, astronomy, and geology, equipping students to serve in a variety of physical sciences. The composite science track enables students to seek broad preparation including biology and physics in addition to chemistry and leading to the 8-12 certification.

The BA degree in biochemistry and the BS degree in biochemistry (biomedical science track) are designed for students who are preparing to enter professional schools of medicine, dentistry, pharmacy or optometry, or for those who wish to enter the biotechnology or pharmaceutical industries. The BS degree in biochemistry also includes a pre-veterinary track that includes all prerequisite courses necessary for graduates pursuing veterinary medicine in Texas. A “fast-track” cooperative degree in biochemistry allows students to enter professional schools after three years at ACU.

Study Abroad Expectations
All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year.

Bachelor of Science Degrees (BS)

Admission Requirements
Before being admitted to the program in chemistry or biochemistry, a student must satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19).

CHEMISTRY (BS)

BS: CHEMISTRY DEGREE PLAN (CHEM)

UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

MAJOR REQUIREMENTS

Chemistry
CHEM 133 General Chemistry I ............................................. (3)\(^1\)
CHEM 131 General Chemistry I Lab ..................................... 1
CHEM 132/134 General Chemistry II Lecture/Lab .................... 4
CHEM 221/223 Organic Chemistry I Lecture/Lab ................... 4
CHEM 322/324 Organic Chemistry II Lecture/Lab ................... 4
CHEM 333 Physical Chemistry I ........................................... 4
CHEM 334 Physical Chemistry II ......................................... 4
CHEM 355 Analytical Chemistry I ....................................... 4
CHEM 356 Analytical Chemistry II ...................................... 4
CHEM 423 Chemistry and Biochemistry Seminar (capstone and writing-intensive course) .......................... 3
CHEM 441/443 Inorganic Chemistry Lecture/Lab ................. 4
CHEM 453 Biochemistry I .................................................. 3
Advanced Chemistry Course ............................................. 3
TOTAL ................................................................. 42

\(^1\)Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

SUPPLEMENT FOR MAJOR

Mathematics
MATH 185 Calculus I ......................................................... (3)\(^1\)
MATH 186 Calculus II ....................................................... 3
MATH 286 Calculus III ...................................................... 3

Physics
PHYS 220 Engineering Physics I ........................................ (3)\(^1\)
PHYS 221 Engineering Physics I Lab ................................ 1
PHYS 222/223 Engineering Physics II Lecture/Lab ............... 4
TOTAL ................................................................. 11

BIOCHEMISTRY (BS)

BS: BIOCHEMISTRY DEGREE PLAN (BCH)

UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

MAJOR REQUIREMENTS

Chemistry
CHEM 133 General Chemistry I ............................................. (3)\(^1\)
CHEM 131 General Chemistry I Lab ..................................... 1
CHEM 132/134 General Chemistry II Lecture/Lab .................... 4
CHEM 221/223 Organic Chemistry I Lecture/Lab ................... 4
CHEM 322/324 Organic Chemistry II Lecture/Lab ................... 4
CHEM 423 Chemistry and Biochemistry Seminar (capstone and writing-intensive course) .......................... 3
CHEM 453 Biochemistry I .................................................. 3
CHEM 454 Biochemistry II ................................................ 3
CHEM 463 Biochemistry Lab I ............................................. 1
CHEM 464 Biochemistry Lab II ............................................ 1

Biology
BIOL 112 General Biology I .............................................. (3)\(^1\)
BIOL 114 General Biology I Lab ......................................... 1
BIOL 113/115 General Biology II Lecture/Lab ...................... 4
BIOL 312 Cell Biology ...................................................... 3
TOTAL ................................................................. 32

\(^1\)Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

SUPPLEMENT FOR MAJOR (TRACKS)

ACS Track (BCHC)
CHEM 333 Physical Chemistry I ........................................... 4
CHEM 334 Physical Chemistry II ......................................... 4
CHEM 355 Analytical Chemistry I ....................................... 4
CHEM 356 Analytical Chemistry II ...................................... 4
CHEM 443 Inorganic Chemistry ........................................ 3
MATH 185 Calculus I ....................................................... (3)\(^1\)
MATH 186 Calculus II ....................................................... 3
MATH 286 Calculus III ...................................................... 3
PHYS 220/221 Engineering Physics I Lecture/Lab ................. 4
PHYS 222/223 Engineering Physics II Lecture/Lab ............... 4
TOTAL ................................................................. 33

STANDARD Track (BCHS)
CHEM 333 Physical Chemistry I ........................................... 4
CHEM 334 Physical Chemistry II ......................................... 4
CHEM 355 Analytical Chemistry I ....................................... 4
CHEM 356 Analytical Chemistry II ...................................... 4
CHEM 443 Inorganic Chemistry ........................................ 3
MATH 124 Precalculus ..................................................... (3)\(^1\)
MATH 185 Calculus I ....................................................... 3
MATH 186 Calculus II ....................................................... 3
PHYS 110/111 General Physics I Lecture/Lab ........................................ 4
PHYS 112/113 General Physics II Lecture/Lab .................................... 4
TOTAL ........................................................................... 8

BIOMEDICAL SCIENCE Track (BCBS)
BIOL 475 Molecular Genetics .................................................. 3
Choose 9 hours from: BIOL 221/222, 222/224, 313, 330,
355/357, 454, 480, 484, 491/493, 492/495, 498 .......................... 9
CHEM 355 Analytical Chemistry I or
CHEM 356 Analytical Chemistry II ............................................ 4
CHEM 413 Physical Chemistry/Life Sciences ............................... 3
MATH 131 Calculus for Application or
MATH 185 Calculus I ............................................................. (3) 1
MATH 123 or MATH 377 or BIOL 483 ........................................ 3
PHYS 110/111 General Physics I Lecture/Lab ................................ 4
PHYS 112/113 General Physics II Lecture/Lab ............................... 4
TOTAL ........................................................................... 29

PRE-VET TRACK (BCHV)
CHEM 355 Analytical Chemistry I or
CHEM 356 Analytical Chemistry II ............................................ 4
CHEM 413 Physical Chemistry/Life Sciences ............................... 3
BIOL 351 Genetics .................................................................. 3
BIOL 355/357 Microbiology Lecture/Lab ...................................... 4
ANSC 336 Animal Nutrition ...................................................... 3
MATH 131 Calculus for Application or
MATH 185 Calculus I ............................................................. (3) 1
MATH 377 Statistical Methods I ................................................ 3
PHYS 110/111 General Physics I Lecture/Lab ................................ 4
PHYS 112/113 General Physics II Lecture/Lab ................................ 4
ENGL 326 Business and Professional Writing ............................. 3
PSYC 120 Introduction to Psychology ......................................... (3) 1
TOTAL ........................................................................... 31

ELECTIVES
Minimum (BCHC) .................................................................... 7
Minimum (BCHE) .................................................................. 11
Minimum (BCHS) .................................................................. 10
Minimum (BCHV) .................................................................. 9
TOTAL MAJOR HOURS ......................................................... 72

OTHER GRADUATION REQUIREMENTS
Minimum GPA for graduation ...................................................... 2.00
Minimum advanced hours .......................................................... 33
Minimum total hours ................................................................. 128
Courses numbered 0** do not count in minimum hours required for degree.

HIGH SCHOOL TEACHER CERTIFICATION - PHYSICAL SCIENCE (BS)

BS: HIGH SCHOOL TEACHER CERTIFICATION - PHYSICAL SCIENCE DEGREE PLAN (CPST)

UNIVERSITY REQUIREMENTS
Please see the University Requirements section of this catalog (page 37).

MAJOR REQUIREMENTS
CHEM 131/133 General Chemistry I Lecture/Lab ................................... (3) 1
CHEM 132/134 General Chemistry II Lecture/Lab ................................... 4
CHEM 221/223 Organic Chemistry I Lecture/Lab ................................... 4
CHEM 401 Second Year Science Teaching Methods .......................... 3
CHEM 423 Chemistry and Biochemistry Seminar (capstone and writing-intensive course) ........................................... 3
TOTAL ........................................................................... 15

ELECTIVES
Minimum (CPST, CHMT) .......................................................... 10
Minimum (CMST) .................................................................. 6
TOTAL MAJOR HOURS ......................................................... 72

CRITERIA FOR ADMISSION TO TEACHER EDUCATION
In accordance with Texas state law, students must meet the admission criteria described on page 115.

OTHER GRADUATION REQUIREMENTS
Minimum GPA for graduation ...................................................... 2.75
Minimum advanced hours .......................................................... 33
Minimum total hours ................................................................. 128
Courses numbered 0** do not count in minimum hours required for degree.
Bachelor of Arts Degrees (BA)

Admission Requirements
Before being admitted to the program in chemistry or biochemistry, a student must satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19).

BIOCHEMISTRY (BA)

BA: BIOCHEMISTRY DEGREE PLAN (BCHA)

Please see the University Requirements section of this catalog (page 37).

UNIVERSITY REQUIREMENTS

MAJOR REQUIREMENTS

Chemistry

CHEM 133 General Chemistry I ................................................ (3)
CHEM 131 General Chemistry I Lab ........................................ 1
CHEM 132/134 General Chemistry II Lecture/Lab ..................... 4
CHEM 221/223 Organic Chemistry I Lecture/Lab ...................... 4
CHEM 322/324 Organic Chemistry II Lecture/Lab .................... 4
CHEM 355 Analytical Chemistry I or
CHEM 356 Analytical Chemistry II ...................................... 4
CHEM 413 Physical Chemistry/Life Sciences ......................... 3
CHEM 423 Chemistry and Biochemistry Seminar
(capstone and writing-intensive course) .............................. 3
CHEM 453 Biochemistry I ..................................................... 3
CHEM 454 Biochemistry II .................................................... 3
CHEM 463 Biochemistry Lab I ................................................ 1
CHEM 464 Biochemistry Lab II .............................................. 1

Biology

BIOL 112 General Biology I .................................................. (3)
BIOL 114 General Biology I Lab ............................................ 1
BIOL 113/115 General Biology II Lecture/Lab ......................... 4
BIOL 312 Cell Biology .......................................................... 3

TOTAL ............................................................................ 39

English

Sophomore (or higher) Literature ........................................... 3

Foreign Language

(requirement waived) .......................................................... 0

Mathematics

MATH 131 Calculus for Application ...................................... (3)

Physics

PHYS 110/111 General Physics I Lecture/Lab ......................... 4
PHYS 112/113 General Physics II Lecture/Lab ....................... 4

TOTAL ............................................................................ 11

Supplement for Major

1 Hours (in parentheses) may also fulfill university requirements and are not included in total major hours.

ELECTIVES

Minimum ........................................................................... 22

TOTAL MAJOR HOURS ...................................................... 72

OTHER GRADUATION REQUIREMENTS

Minimum GPA for graduation .............................................. 2.00
Minimum advanced hours ............................................... 33
Minimum total hours ....................................................... 128

Courses numbered 0** do not count in minimum hours required for degree.

Cooperative Bachelor of Science Degrees (BS)

ACU awards the bachelor’s degree with a biochemistry track to certain qualified students who have satisfactorily completed three years of prescribed work at ACU (a minimum of 104 hours) plus one year at a recognized professional school. See the Health Professions Cooperative

Degree in the Interdisciplinary Programs section of this catalog for complete course requirements (page 123).

Minor in Chemistry

MINOR: CHEMISTRY (CHEM)

Chemistry Foundations

CHEM 131/133 General Chemistry I Lecture/Lab ..................... 4
CHEM 132/134 General Chemistry II Lecture/Lab .................... 4
CHEM 221/223 Organic Chemistry I Lecture/Lab .................... 4

Advanced Chemistry

CHEM 322/324 Organic Chemistry II Lecture/Lab ................... 4

Advanced Chemistry selection from:

CHEM 333-375, 413-454 ....................................................... ≥2

TOTAL .............................................................................. ≥18

Course Descriptions

Please see the Course Descriptions section of this catalog (page 165). Courses offered by the Department of Chemistry and Biochemistry include those with the following designation: CHEM and GEOL.
Communication
and Sociology

Joe Cardot, Chair
ACU Box 28156
Abilene, Texas 79699-8156
Sherrod Building – Don Morris Center, Room 128
Phone: 325-674-2136
Fax: 325-674-6966
Email: cardotj@acu.edu
Web: www.acu.edu/comm

Faculty
Jonathan Camp, Associate Professor
Joe Cardot, Professor
Dena Counts, Instructor
Kristina Davis, Assistant Professor
Carley Dodd, Professor
Paul Lakey, Professor
Suzanne Macaluso, Assistant Professor (Sociology)
Lauren Smith Lemley, Assistant Professor
Cynthia Roper, Professor
Lynette Sharp Penya, Professor
J.D. Wallace, Professor

Majors: Communication (BA)
         Communication (BS)
         Sociology (BS)

Minors: Communication
         Sociology
         Leadership Studies

Communication

The Communication Program offers both Bachelor of Arts and Bachelor of Science degrees in communication. A minor in communication may be added to other majors.

The Master of Arts degree in communication is available. The interdisciplinary Master of Science degree in organizational development (OD) combining business, conflict resolution and communication is available and coordinated by the department. See the Graduate School section of this catalog (page 128).

Introduction
The Department of Communication recognizes the increasingly vital role of communication in modern society. Communication permeates all social, corporate, civic, educational and religious situations, and the demand for individuals skilled in its use continues to grow. A basic course in communication is required for most degrees at ACU.

Instructional facilities are located in the Sherrod Building of the Don Morris Center and include well-equipped classrooms, digital recording equipment, multimedia presentation equipment and access to computers. Highly-qualified Christian faculty, many known nationally and internationally, are dedicated to teaching, research and helpful interaction with their students.

The department staffs and operates the ACU Speaking Center housed in the campus library. It provides expertise in all aspects of the creation and delivery of presentations. The services are available to all students, faculty, staff, and community members who may require assistance.

The focus of communication is on information management and interaction. Students successfully completing a major in communication prepare themselves for a variety of careers where people and information come together. It also provides preparatory training for law school, public relations, human resources, sales, management, government work and many other fields that require competence in information management and human interaction. Graduates are especially prepared in such essential areas as team building, the analysis and organization of information, and critical thinking. Communication graduates are successful in careers as diverse as business, ministry, training, insurance, and social and government service.

The program also prepares students who plan to do graduate work in communication and become college communication/speech teachers.

Study Abroad Expectations
All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year.

Admission Requirements
Before being admitted to the program in communication, a student must satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19).

COMMUNICATION (BA)

<table>
<thead>
<tr>
<th>BA: COMMUNICATION DEGREE PLAN (COMS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIVERSITY REQUIREMENTS</td>
</tr>
<tr>
<td>Please see the University Requirements section of this catalog (page 37).</td>
</tr>
<tr>
<td>MAJOR REQUIREMENTS</td>
</tr>
<tr>
<td>Communication</td>
</tr>
<tr>
<td>COMM 222 Discussion, Dissent, and Debate ............................................. 3</td>
</tr>
<tr>
<td>COMM 236 General Communication Theory .................................................. 3</td>
</tr>
<tr>
<td>COMM 331 Small Group Communication ....................................................... 3</td>
</tr>
<tr>
<td>COMM 343 Business and Professional Communication ...................................... 3</td>
</tr>
<tr>
<td>COMM 345 Intercultural Communication ....................................................(3)</td>
</tr>
<tr>
<td>Course</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>COMM 384 Interview Communication</td>
</tr>
<tr>
<td>COMM 392 Rhetoric of Pop Culture</td>
</tr>
<tr>
<td>COMM 421 Leadership and Communication</td>
</tr>
<tr>
<td>COMM 483 Advanced Public Speaking</td>
</tr>
<tr>
<td>COMM 491 Rhetorical Theory (writing-intensive course)</td>
</tr>
<tr>
<td>COMM 499 Communication Internship (capstone course)</td>
</tr>
<tr>
<td><strong>Area of Emphasis (recommended)</strong></td>
</tr>
<tr>
<td><strong>Selected from one communication track:</strong></td>
</tr>
<tr>
<td>Corporate Communication: COMM 383, 408, 430, 485, 486 ..................</td>
</tr>
<tr>
<td>Interpersonal and Cultural Studies: COMM 341, 376, 430, 436, 450 ......</td>
</tr>
<tr>
<td>Public Advocacy: COMM 375, 383, 408, 415, 3 hours of COMM 300-499</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
</tr>
</tbody>
</table>

**SUPPLEMENT FOR MAJOR**

**English**

Sophomore (or higher) Literature ............................................. 3

**Foreign Language**

FLLA, FREN, GER, or SPAN 221, 222 ........................................... 6

**TOTAL** .................................................................................. 9

**ELECTIVES**

**Recommended minors:**

Corporate Communication track: leadership, business, missions, psychology, bible, sociology, digital media.

Interpersonal and Cultural Studies track: leadership, bible, English, psychology, sociology

Public advocacy track: leadership, business, missions

Minimum ..................................................................................... 18

**TOTAL MAJOR HOURS .................................................................. 72**

**OTHER GRADUATION REQUIREMENTS**

Minimum grade for each course in major .................................... C

Minimum GPA for graduation .................................................. 2.00

Minimum advanced hours ..................................................... 33

Minimum total hours ............................................................ 128

Courses numbered 0** do not count in minimum hours required for degree.

**COMMUNICATION (BS)**

**BS: COMMUNICATION DEGREE PLAN (COMS)**

**UNIVERSITY REQUIREMENTS**

Please see the University Requirements section of this catalog (page 37).

**MAJOR REQUIREMENTS**

Communication

COMM 222 Discussion, Dissent, and Debate ................................ 3

COMM 236 General Communication Theory ................................ 3

COMM 331 Small Group Communication ....................................... 3

COMM 343 Business and Professional Communication .................. 3

COMM 345 Intercultural Communication ..................................... 3

COMM 384 Interview Communication .......................................... 3

COMM 392 Rhetoric of Pop Culture ........................................... 3

COMM 421 Leadership and Communication .................................... 3

COMM 483 Advanced Public Speaking ......................................... 3

COMM 491 Rhetorical Theory (writing-intensive course) ............... 3

COMM 499 Communication Internship (capstone course) ............... 3

**Area of Emphasis (recommended)**

**Selected from one communication track:**

Corporate Communication: COMM 383, 408, 430, 485, 486 ........... 15

Interpersonal and Cultural Studies: COMM 341, 376, 430, 436, 450 .... 15

Public Advocacy: COMM 375, 383, 408, 415, 3 hours of COMM 300-499 ... 15

**TOTAL** .................................................................................. 45

**SUPPLEMENT FOR MAJOR**

**One Research Tool**

Choose from: IS 322; SOCI 415; SOCI 416; PSYC 311 .......... 3

**TOTAL** .................................................................................. 3

**ELECTIVES**

**Recommended minors:**

Corporate Communication track: leadership, business, missions, psychology, bible, sociology, digital media.

Interpersonal and Cultural Studies track: leadership, bible, English, psychology, sociology

Public advocacy track: leadership, business, missions

Minimum ..................................................................................... 24

**TOTAL MAJOR HOURS .................................................................. 72**

**OTHER GRADUATION REQUIREMENTS**

Minimum grade for each course in major .................................... C

Minimum GPA for graduation .................................................. 2.00

Minimum advanced hours ..................................................... 33

Minimum total hours ............................................................ 128

Courses numbered 0** do not count in minimum hours required for degree.

**Minor in Communication**

**MINOR: COMMUNICATION (COMS)**

COMM 211 Speech and Rhetoric ................................................. 3

Choose 3 hours from: COMM 100-499 .................................... 3

Choose 12 hours from: COMM 300-499 ................................... 12

**TOTAL** .................................................................................. 18
Sociology

Suzanne Macaluso, Director
ACU Box 28156
Abilene, Texas 79699-7980
Sherrod Building, Room 133
Phone: 325-674-8963
Fax: 325-674-6525
Email: suzie.macaluso@acu.edu
Web: www.acu.edu/sociology

Faculty
Suzanne Macaluso, Assistant Professor

Majors: Sociology (BS)

Sociology

The Sociology Program offers the Bachelor of Science degree in sociology. A minor in sociology may be added to other majors.

Introduction
The Sociology Program builds upon the University’s mission to educate students for Christian service and leadership by equipping students to address contemporary social issues in a variety of community settings.

The program is committed to attaining high standards in education while offering personal guidance to students regarding their life choices.

Study Abroad Expectations
All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year.

Bachelor of Science Degree (BS)

Admission Requirements
Before being admitted to this program, a student must satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19).

Sociology

The primary goal of the sociology program is to provide a quality educational experience within a Christian, liberal arts perspective. Students will be prepared to assume entry level careers of service and leadership in communities or continue graduate studies in related fields of study.

Sociology is devoted to understanding our social world – how and why it is changing and how to make it better. Its primary subject matter is the group, not the individual. Sociology attempts to give people an insight into intergroup relationships at work, in the family, the church, the community and the world. Since all human activity is social, our subject matter ranges from family relationships to mob violence, from religion to organized crime, from divisions over gender, race and social class to consensus on basic values, from the sociology of work to the sociology of sports. In fact, few fields of study have such a global scope and relevance for so many applications.

Because sociology offers special training in a broad range of social issues and competency in gathering, organizing and evaluating data, a degree in sociology helps open numerous job opportunities in our information-oriented society. At the baccalaureate level, sociology majors acquire positions in such diverse occupational settings as social service agencies, management, criminal justice, community research, gerontology, public relations, medical facilities, church ministries, case workers, lobbyists, community planning, public school teaching, legal offices, public/social policy, and numerous others.

Many undergraduates in sociology pursue their master’s and doctorates in specialized fields of sociology. Others use their sociology training in diverse graduate fields such as community studies and development, family therapy, social work, urban planning, church ministry and missions. Sociology also provides excellent preparation for law school by exposing students to critical thinking and research skills, interpersonal and organizational dynamics, and social policy issues.

SOCIETY (BS)

<table>
<thead>
<tr>
<th>BS: SOCIOLOGY DEGREE PLAN (SOCI)</th>
</tr>
</thead>
</table>

**UNIVERSITY REQUIREMENTS**
Please see the University Requirements section of this catalog (page 37).

**MAJOR REQUIREMENTS**

<table>
<thead>
<tr>
<th>Sociology</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 111 Introduction to Sociology (3)</td>
</tr>
<tr>
<td>SOCI 385 Social Theory (writing-intensive course) (3)</td>
</tr>
<tr>
<td>SOCI 415 Social Research (capstone and writing-intensive course) (3)</td>
</tr>
<tr>
<td>SOCI 416 Social Statistics (3)</td>
</tr>
<tr>
<td>BIBP 486 Ethics (3)</td>
</tr>
<tr>
<td>Choose 9 courses from: SOCI 300-499, ECON 438, HIST 455, PSYC 370, or SOCW 329 (27)</td>
</tr>
<tr>
<td>TOTAL 36</td>
</tr>
</tbody>
</table>

1 Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

**ELECTIVES**

| Minimum 36 |
| TOTAL MAJOR HOURS 72 |

**OTHER GRADUATION REQUIREMENTS**

| Minimum grade for each course in major C |
| Minimum GPA in major 2.25 |
| Minimum GPA for graduation 2.00 |
| Minimum advanced hours 33 |
| Minimum total hours 128 |

Courses numbered 0** do not count in minimum hours required for degree.

**Minor in Sociology**

<table>
<thead>
<tr>
<th>MINOR: SOCIOLOGY (SOCI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 111 Introduction to Sociology (3)</td>
</tr>
<tr>
<td>SOCI 385 Social Theory (writing-intensive course) (3)</td>
</tr>
<tr>
<td>SOCI 415 Social Research (capstone and writing-intensive course) (3)</td>
</tr>
<tr>
<td>Choose 9 hours from: SOCI 300-499, BIBP 486 or HIST 455 (9)</td>
</tr>
<tr>
<td>TOTAL 18</td>
</tr>
</tbody>
</table>
Leadership Studies
J.D. Wallace, Advisor
ACU Box 28156
Abilene, Texas 79699-8156
Sherrod Building, Room 209
Phone: 325-674-2136
Fax: 325-674-6966
Email: jd.wallace@acu.edu

Introduction
This 18-hour program allows students to explore principles, concepts, and skills applied to leadership. The application flows into organizations and systems where leadership is needed. In addition to the courses, student e-portfolios will facilitate admission to internships, graduate school, and future employment.

LEADERSHIP STUDIES MINOR

<table>
<thead>
<tr>
<th>MINOR: LEADERSHIP STUDIES (LDSH)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 421 Leadership and Communication</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 335 Leadership in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>Communicating Strategies of Leadership</td>
<td></td>
</tr>
<tr>
<td>Diversity</td>
<td></td>
</tr>
<tr>
<td>Choose 9 hours from:</td>
<td>9</td>
</tr>
<tr>
<td>COMM 405 Women in Christian Tradition</td>
<td></td>
</tr>
<tr>
<td>COMM 383 Communication in Multinational Organizations</td>
<td></td>
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<tr>
<td>COMM 430 Conflict Management</td>
<td></td>
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<tr>
<td>COMM 485 Organizational Communication</td>
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<tr>
<td>MGMT 330 Management and Organizational Behavior</td>
<td></td>
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<tr>
<td>PSYC 388 Teams and Team Leadership</td>
<td></td>
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<tr>
<td>Applying Leadership Ethics</td>
<td></td>
</tr>
<tr>
<td>Choose 3 hours from:</td>
<td>3</td>
</tr>
<tr>
<td>BIBM 401 Christian Leadership</td>
<td></td>
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<tr>
<td>BIBP 486 Ethics</td>
<td></td>
</tr>
<tr>
<td>BUSA 435 Christian Business Leadership Perspectives</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

Course Descriptions
Please see the Course Descriptions section of this catalog (page 165). Courses offered by the Department of Communication and Sociology include those with the following designations: ANTH, COMM, and SOCI.

Engineering and Physics

Jess Dowdy, Chair
ACU Box 27963
Abilene, Texas 79699-7963
Foster Science Building, Room 353
Phone: 325-674-2165
Fax: 325-674-2146
Email: jtd10al@acu.edu
Web: http://www.acu.edu/engineering-physics

Faculty
Jeff E. Arrington, Associate Professor and Director of Engineering
James Cutbirth, Adjunct Professor
Michael Daugherty, Associate Professor
Jess Dowdy, Professor and Department Chair
Tim Head, Associate Professor
J. Darby Hewitt, Assistant Professor
Lori Houghtalen, Adjunct Professor
Donald Isenhower, Professor
Larry Isenhower, Instructor
Rich Jinkerson, Associate Professor
Tim Kennedy, Assistant Professor
Paul Edwin Morris, Professor
Michael Ervin Sadler, Professor
Ray Smith, Engineering Lab Supervisor
Matthew Steele, Assistant Professor
Rusty Towell, Professor
Joshua Willis, Associate Professor

Majors and Concentrations:
- Computational Physics (BS Physics)
- Engineering Science Technology (BS Physics)
- Engineering (BSE)
- Engineering Physics (BS Physics)
- Medical Physics (BS Physics)
- Physics (BS Physics)
- High School Teacher Certification
- Composite Science – Engineering and Physics (BS)
- Physics and Mathematics (BS)

Minors: Engineering Science

Physics

The Department of Engineering and Physics offers two different Bachelor of Science (BS) degrees and a Bachelor of Science in Engineering (BSE) degree. The BS degrees are awarded for majors in Physics and Physics and Math Teaching. The Physics major has five tracks: Physics (PHYS), Engineering Science Technology (PHYA), Engineering Physics (PHYN), Medical Physics (PHYM) and Computational Physics (PHYC). The BSE degree is awarded for the Engineering major. The department works with the Department of Teacher Education and the Department of Chemistry and Biochemistry to offer teacher certification in physical and composite science (see the Chemistry and Biochemistry section of this catalog, page 54). A minor in engineering science or physics may be added to other majors.

Introduction
In the Abilene Christian University Department of Engineering and Physics, students share in a personal atmosphere that promotes the growth of individual abilities. The faculty and students in engineering and physics do not confine learning to the classroom, but rather join in a broad spectrum of activities that includes doing basic research, completing engineering internships, teaching in the laboratory, participating in national student organizations and working in the astronomical observatory.
Many of our graduates have gone into graduate programs with fellowships and assistantships at excellent universities in physics, engineering physics, medicine, medical physics, computer science, astronomy, and many fields of engineering throughout the country while others have gone directly into industry positions. Our graduates agree that their undergraduate training at ACU was particularly well suited for their endeavors.

**Electronics and Instrumentation**

The department is well equipped to offer electronics and instrumentation to science and engineering majors and others who need this training. The Instrumentation laboratory contains modern equipment and features microprocessor technology with an emphasis on the interface between hardware and software.

**Applied Physics M.S. Program at Texas Tech University**

Under an articulation agreement, ACU students are guaranteed acceptance into Texas Tech University’s MS degree program in physics after completing a BS degree at ACU in physics with the following stipulations:

1. Have a minimum cumulative GPA of 3.00 and GPA of 3.25 in advanced physics courses;
2. Receive at least a “B” in PHYS 432, 491, 472, and 342; and
3. Meet all of the requirements of the Texas Tech Graduate School.

**Special Offerings for Non-Majors**

Physics can help students explore the universe with a telescope, consider the stewardship of creation, think about the influence which science has had on the world, and think about the relationship between science and religion. The Department of Physics has courses for non-majors, which explore each of these areas. PHYS 101, Astronomy, uses telescopes to look at the universe. PHYS 378, History and Philosophy of Science, and PHYS 379, Religion and Science, both explore the relationship between science, religion, literature, social science and the arts. These courses will satisfy university general education requirements.

**Study Abroad Expectations**

All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year.

**Bachelor of Science in Engineering Degree (BSE)**

**General Departmental Requirements**

Engineering majors must develop mathematical skills as well as design, experimental, and computational abilities. If the student does not qualify to take Precalculus II (MATH 124) when the student enters ACU, his or her graduation may be delayed.

**Admission Requirements**

Before being admitted to the Engineering program, students must satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19) and place in MATH 124. Before being admitted to any degree in this department, a student must score a 28 on the math section of the ACT or equivalent math SAT score.

**Engineering Electives**

Selected in consultation with advisor................................. 14

**Mathematics**

MATH 185 Calculus I.................................................. (3)  
MATH 186 Calculus II.................................................. 3  
MATH 286 Calculus III.................................................. 3

**Math/Science Selections**

Choose 4 hours from the following................................................... 4  
MATH 325, 341, 377, 463; BIOL 112 or above (excluding 203);  
CHEM 114 or above (excluding 203); PHYS above 331 (excluding  
335/336, 342/343, 379, 388, and 401)

**Philosophy**

PHIL 379 Philosophy, Religion, and Science................................ (3)  

**Physics**

PHYS 220 Engineering Physics I.................................................. (3)  
PHYS 221 Engineering Physics I Lab.................................................. 1  
PHYS 222 Engineering Physics II.................................................. (3)  
PHYS 223 Engineering Physics II Lab.................................................. 1  
PHYS 330 Modern Physics.................................................. (3)  
PHYS 331 Modern Physics Laboratory.................................................. 1

**TOTAL**........................................................................ 72

100 Hours (in parenthesis) may also fulfill university requirements and are not included in total major hours.

**ELECTIVES**

Minimum ........................................................................... 0

**TOTAL MAJOR HOURS**......................................................... 72

**OTHER GRADUATION REQUIREMENTS**

Minimum grade for PHYS or ENGR.................................................. C  
Minimum GPA for graduation.................................................. 2.00  
Minimum advanced hours.................................................. 33  
Minimum total hours.................................................. 128

**Bachelor of Science Degrees (BS)**

**General Departmental Requirements**

Engineering and physics majors must develop mathematical skills as well as experimental, theoretical, and computational abilities. If the student does not qualify to take Precalculus II (MATH 124) when the student enters ACU, his or her graduation may be delayed.

**Admission Requirements**

Before being admitted to one of these programs, students must satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19) and place in MATH 124. Before being admitted to any degree in this department, a student must score a 28 on the math section of the ACT or equivalent math SAT score or satisfy the prerequisite for ENGR 115.

**ENGINEERING (BSE)**

<table>
<thead>
<tr>
<th>BS: ENGINEERING DEGREE PLAN (ENGR)</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>UNIVERSITY REQUIREMENTS</strong></td>
<td></td>
</tr>
<tr>
<td>Please see the University Requirements section of this catalog (page 37).</td>
<td></td>
</tr>
<tr>
<td><strong>MAJOR REQUIREMENTS</strong></td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHEM 133/131 General Chemistry I with Lab......................... 4</td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td></td>
</tr>
<tr>
<td>ENGR 115 Introduction to Engineering and Physics............... 2</td>
<td></td>
</tr>
<tr>
<td>ENGR 116 Introduction to Engineering and Physics Lab........... 1</td>
<td></td>
</tr>
<tr>
<td>ENGR 131 Computer Aided Design and Modeling..................... 3</td>
<td></td>
</tr>
<tr>
<td>ENGR 135 Introduction to Electric Circuits......................... 3</td>
<td></td>
</tr>
<tr>
<td>ENGR 136 Introduction to Electric Circuits Lab.................... 1</td>
<td></td>
</tr>
<tr>
<td>ENGR 220 Engineering Mechanics: Statics............................ 3</td>
<td></td>
</tr>
<tr>
<td>ENGR 222 Engineering Mechanics: Dynamics.......................... 3</td>
<td></td>
</tr>
<tr>
<td>ENGR 304 Environmental and Health Safety.......................... 2</td>
<td></td>
</tr>
<tr>
<td>ENGR 306 Engineering Ethics.............................................. 1</td>
<td></td>
</tr>
<tr>
<td>ENGR 333 Fluid Mechanics.................................................. 3</td>
<td></td>
</tr>
<tr>
<td>ENGR 342 Measurement Techniques...................................... 3</td>
<td></td>
</tr>
<tr>
<td>ENGR 343 Measurement Techniques Lab................................ 1</td>
<td></td>
</tr>
<tr>
<td>ENGR 350 Engineering Economics........................................ (3)</td>
<td></td>
</tr>
<tr>
<td>ENGR 390 Junior Clinic...................................................... 3</td>
<td></td>
</tr>
<tr>
<td>ENGR 430 Senior Clinic I (capstone course)......................... 3</td>
<td></td>
</tr>
<tr>
<td>ENGR 432 Senior Clinic II (capstone &amp; writing-intensive course) 3</td>
<td></td>
</tr>
<tr>
<td>ENGR 481 Thermodynamics.................................................. 3</td>
<td></td>
</tr>
</tbody>
</table>

*Courses numbered 0** do not count in minimum hours required for degree.*
## PHYSICS (BS)

### BS: PHYSICS DEGREE PLAN (PHYS)

<table>
<thead>
<tr>
<th>UNIVERSITY REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Please see the University Requirements section of this catalog (page 37).</td>
</tr>
</tbody>
</table>

### MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Physics</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 115/116 Intro to Engineering and Physics ............................................. 3</td>
</tr>
<tr>
<td>PHYS 220 Engineering Physics I ................................................................. (3)</td>
</tr>
<tr>
<td>PHYS 221 Engineering Physics I Lab .......................................................... (1)</td>
</tr>
<tr>
<td>PHYS 222 Engineering Physics II ................................................................. (3)</td>
</tr>
<tr>
<td>PHYS 223 Engineering Physics II Lab .......................................................... (1)</td>
</tr>
<tr>
<td>PHYS 330/331 Modern Physics Lecture/Lab .................................................. 4</td>
</tr>
<tr>
<td>PHYS 362/363 Optics ....................................................................................... 4</td>
</tr>
<tr>
<td>PHYS 379 Philosophy, Religion and Science .................................................. (3)</td>
</tr>
<tr>
<td>PHYS 497/498 Physics Capstone I, II (capstone and writing-intensive course) ................................................................................ 4</td>
</tr>
</tbody>
</table>

### Mathematics

| MATH 185 Calculus I ................................................................. (3) |
| MATH 186 Calculus II .................................................................................. 3 |
| TOTAL ......................................................................................................... 21 |

1 Hours (in parentheses) may also fulfill university requirements and are not included in total major hours.

### CONCENTRATIONS (CHOOSE ONE)

#### Physics (PHYS)

| PHYS 135/136 Introduction to Electric Circuits Lecture/Lab ............................................. 4 |
| PHYS 360 Electricity & Magnetism ........................................................................... 3 |
| PHYS 371 Classical Mechanics .................................................................................. 3 |
| PHYS 461 Nuclear Physics ......................................................................................... 3 |
| PHYS 463 Math of Physics and Engineering ............................................................... 3 |
| PHYS 472 Solid State Physics .................................................................................... 3 |
| PHYS 481 Thermodynamics ....................................................................................... 3 |
| PHYS 491 Quantum Mechanics ................................................................................ 3 |
| PHYS 493 General Relativity ..................................................................................... 3 |
| MATH 286 Calculus III .......................................................................................... 3 |
| MATH 325 Linear Algebra .......................................................................................... 3 |
| MATH 361 Ordinary Differential Equations ............................................................. 3 |
| CHEM 131/133 General Chemistry I w/ Lab ............................................................. 4 |
| CS 120 Programming I ........................................................................................... 3 |
| TOTAL ............................................................................................................... 44 |

#### Medical Physics (PHYM)

| BIOL 112/114 General Biology I w/ Lab ................................................................. 4 |
| BIOL 115/115 General Biology II w/ Lab .................................................................. 4 |
| CHEM 131/133 General Chemistry I w/ Lab ............................................................. 4 |
| CHEM 132/134 General Chemistry II w/ Lab ............................................................. 4 |
| CHEM 221/223 Organic Chemistry I w/ Lab ............................................................. 4 |
| CHEM 322/324 Organic Chemistry II w/ Lab ............................................................. 4 |
| CHEM 453/463 Biochemistry I w/ Lab ..................................................................... 4 |
| CS 120 Programming I ........................................................................................... 3 |
| MATH 123 Elementary Statistics ............................................................................. 3 |
| MATH 286 Calculus III .......................................................................................... 3 |
| MATH 361 Ordinary Differential Equations ............................................................. 3 |
| PHYS 135/136 Intro to Electric Circuits w/ Lab ......................................................... 4 |
| PHYS 360 Electricity & Magnetism ........................................................................... 3 |
| PHYS 461 Nuclear Physics ......................................................................................... 3 |
| PHYS 463 Math of Physics and Engineering ............................................................... 3 |
| TOTAL ............................................................................................................... 53 |

### Engineering Science Technology (PHET)

| CS 115 or above ................................................................................................. 3 |
| ENGR 140 Engineering Computer Based Design ................................................... 3 |
| PHYS 135/136 Introduction to Electric Circuits Lecture/Lab ............................................. 4 |
| Choose 3 additional hours of PHYS ...................................................................... 3 |
| TOTAL ............................................................................................................... 13 |

### Engineering Physics (PHYN)

| CS 120 Programming I ........................................................................................... 3 |
| CS 130 Programming II: Data Structures .................................................................... 3 |
| CHEM 131/133 General Chemistry I w/ Lab ............................................................. 4 |
| TOTAL ............................................................................................................... 15 |

### ELECTIVES

| Physics Track (PHYS) ......................................................................................... 10 |
| Medical Physics (PHYM) ..................................................................................... 0 |
| Engineering Science Technology (PHET) ............................................................... 38 |
| Engineering Physics (PHYN) ................................................................................. 0 |
| Computational Physics (PHYC) ............................................................................ 30 |
| TOTAL MAJOR HOURS ....................................................................................... 72 |

### OTHER GRADUATION REQUIREMENTS

| Minimum grade for PHYS courses ........................................................................... C |
| Minimum GPA for graduation ............................................................................... 2.00 |
| Minimum advanced hours ...................................................................................... 33 |
| Minimum total hours ............................................................................................. 128 |

Courses numbered 0** do not count in minimum hours required for degree.

## HIGH SCHOOL TEACHER CERTIFICATION PHYSICS AND MATHEMATICS (BS)

### BS: HIGH SCHOOL TEACHER CERTIFICATION - PHYSICS AND MATHEMATICS DEGREE PLAN (PHMT)

<table>
<thead>
<tr>
<th>UNIVERSITY REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Please see the University Requirements section of this catalog (page 37).</td>
</tr>
</tbody>
</table>

### MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Physics</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 135/136 Introduction to Electric Circuits w/ Lab ............................................. 4</td>
</tr>
<tr>
<td>PHYS 220 Engineering Physics I ................................................................. (3)</td>
</tr>
<tr>
<td>PHYS 221 Engineering Physics I Lab ............................................................. (1)</td>
</tr>
<tr>
<td>PHYS 222 Engineering Physics II ................................................................. (3)</td>
</tr>
<tr>
<td>PHYS 223 Engineering Physics II Lab ............................................................. (1)</td>
</tr>
<tr>
<td>PHYS 330/331 Modern Physics Lecture/Lab .................................................. 4</td>
</tr>
<tr>
<td>PHYS 401 Secondary Science Methods ............................................................... 3</td>
</tr>
<tr>
<td>PHYS 497/498 Physics Capstone I/II (capstone and writing-intensive course) ................................................................................ 4</td>
</tr>
<tr>
<td>TOTAL ............................................................................................................... 51</td>
</tr>
</tbody>
</table>

### Mathematics

| MATH 185 Calculus I .......................................................................................... (3) |
| MATH 186 Calculus II ......................................................................................... 3 |
### Minor in Engineering Science

**MINOR: ENGINEERING SCIENCE (ENGS)**

- ENGR 220 Engineering Mechanics: Statics ........................................ 3
- ENGR 222 Engineering Mechanics: Dynamics .................................. 3
- PHYS 135/136 Introduction to Electric Circuits Lecture/Lab ........... 4
- Additional hours approved by engineering academics advisor .... 9

**TOTAL** .......................................................................................... 19

### Minor in Physics

**MINOR: PHYSICS (PHYS)**

- PHYS 220/221 Engineering Physics I Lecture/Lab ............... 4
- PHYS 222/223 Engineering Physics II Lecture/Lab .................. 4
- PHYS 330/331 Modern Physics Lecture/Lab .............................. 4
- Choose 2 courses from: PHYS 300-499 ................................. 6

**TOTAL** ......................................................................................... 18

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**Course Descriptions**

Please see the **Course Descriptions** section of this catalog (page 165). Courses offered by the Department of Engineering and Physics include those with the following designations: ENGR and PHYS.
History and Global Studies

Ron Morgan, Chair
ACU Box 28130
Abilene, Texas 79699-8130
Hardin Administration Building, Room 324

Phone: 325-674-2370
Fax: 325-674-2369
Email: history@acu.edu
Web: www.acu.edu/history

Faculty
Mark Cullum, Associate Professor
Kelly Elliot, Assistant Professor
Ronald Morgan, Professor
Tracy Shilcutt, Professor
Vernon L. Williams, Professor
Allan Yarema, Associate Professor

Majors: Global Studies (BA)
  History (BA)
  History (One-Field History Certification) (Grades 8-12) (BS)
  Social Studies for Teachers (Grades 8-12) (BS)

Minors: Ethnic and Women’s Studies
  Global Studies
  History

The Department of History and Global Studies offers the Bachelor of Arts degree in History and Global Studies and the Bachelor of Science degree in History (One-Field Teacher Certification Grades 7-12), and Social Studies for Teachers (Grades 7-12). A minor in history, global studies, or ethnic and women’s studies may be added to other majors.

Introduction
The Department of History and Global Studies seeks to help students comprehend the present state of the world through a study of some of the essential currents of the past and global complexities of the present. The department strives to provide an understanding of the experiences of humankind, to stimulate thought concerning various institutions, ideas and cultures, and to promote ethical standards in keeping with the Christian faith. There is an attractive future for those who specialize in history and global studies, including such areas as the following:

- **College Teaching.** This is one of the most desirable careers for history majors. For those who go on to a master’s degree, openings may be available in junior colleges. University teaching positions may be available to those who attain the PhD.
- **Government Service.** Careers for historians exist in local, state, and federal governments, including military and security-related fields.
- **Graduate Studies.** History is an exceptionally good area for preparation for graduate studies in fields that require broad, liberal arts education at the undergraduate level.

- **Journalism.** History is splendid preparation for students who seek graduate study and careers in journalism.
- **Law.** History is one of several fields especially suitable as pre-law education, and Global Studies provides excellent training for work in International Law.
- **Museums, Archives and Libraries.** The creation of special documents collections, presidential libraries, research centers and historical society museums has increased opportunities for persons with history training. Additional technical training may be required.
- **High School Teaching.** Certification to teach high school history or social studies may be obtained by completing the Bachelor of Science degree in One-Field History or Social Studies for Teachers and passing the Texas state certification tests (content and pedagogy). The Social Studies for Teachers prepares students to teach history, government, geography, economics, sociology, and psychology while the One-Field History prepares students to teach history.
- **International Development and Aid organizations.** Global Studies provides a foundation for economic development and poverty alleviation.
- **Cross-Cultural Christian ministry.** Global Studies, in combination with training in missions, gives a well-rounded perspective for global ministry.
- **International Business and Marketing.** Global Studies pairs well with business studies, either as a double-major or complimentary minor, providing international context for business.
- **Global Energy, Agriculture, and Health industries.** Global Studies concerns itself with new technologies and public policies in areas of food, energy, and health security.

Study Abroad Expectations
All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year.

HISTORY (BA)
Admission Requirements
Before being admitted to this program, a student must satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19).

<table>
<thead>
<tr>
<th>BA: HISTORY DEGREE PLAN (HIST)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIVERSITY REQUIREMENTS</td>
</tr>
<tr>
<td>Please see the University Requirements section of this catalog (page 37).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAJOR REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower Level Requirements</td>
</tr>
<tr>
<td>HIST 117 Civilization I ...........(3)</td>
</tr>
<tr>
<td>HIST 118 Civilization II or HIST 131 World History ............(3)</td>
</tr>
<tr>
<td>HIST 221 American History I ........................................(3)</td>
</tr>
<tr>
<td>HIST 222 American History II ........................................3</td>
</tr>
<tr>
<td>Upper Level Requirements</td>
</tr>
<tr>
<td>HIST 353 Historical Methods (writing-intensive course) ........3</td>
</tr>
<tr>
<td>HIST 459 Historiography Seminar (capstone course) .............3</td>
</tr>
<tr>
<td>4 courses of Advanced United States Selections ....................12</td>
</tr>
<tr>
<td>5 courses of Advanced Non-United States Selections .............15</td>
</tr>
<tr>
<td>Other Required Courses</td>
</tr>
<tr>
<td>GEOG 354 Cultural Geography ........................................3</td>
</tr>
</tbody>
</table>
**HIGH SCHOOL TEACHER CERTIFICATION - HISTORY (BS)**

### UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

### MAJOR REQUIREMENTS

#### Teaching Field

- GEOG 354 Cultural Geography ........................................... 3
- HIST 117 Civilization I .................................................... 3
- HIST 118 Civilization II or HIST 131 World History .............. 3
- HIST 221 American History I ............................................. 3
- HIST 222 American History II ........................................... 3
- HIST 480 Texas History .................................................... 3
- HIST 496 History for Teachers ........................................... 3
- 6 courses of advanced history evenly distributed between U.S.,
  European history, and non-European world cultures;
  must include one writing-intensive course ............................ 18

**TOTAL** .......................................................... 36

#### Other Required Courses

- ECON 260 Principles of Macroeconomics or ECON 261 Principles of Microeconomics ........................................ 3
- HIST 353 Historical Methods (writing-intensive course) ........ 3
- POLS 225 National Government or POLS 226 States and
  Federal System ............................................................. 3

**TOTAL** .......................................................... 6

#### Electives

Minimum ................................................................. 3

**TOTAL MAJOR HOURS** ........................................ 72

**OTHER GRADUATION REQUIREMENTS**

- Minimum GPA in major ............................................... 2.25
- Minimum GPA for graduation ....................................... 2.00
- Minimum advanced hours ........................................... 33
- Minimum total hours .................................................. 128

Courses numbered 0** do not count in minimum hours required for degree.

---

**HIGH SCHOOL TEACHER CERTIFICATION - SOCIAL STUDIES (BS)**

### UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

### REQUIREMENTS FOR TEACHING FIELD

#### Social Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 117 Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 118 Civilization II or HIST 131 World History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 221 American History I*</td>
<td>3</td>
</tr>
<tr>
<td>HIST 222 American History II*</td>
<td>3</td>
</tr>
<tr>
<td>HIST 480 Texas History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 496 History for Teachers</td>
<td>3</td>
</tr>
</tbody>
</table>
| 6 courses of advanced history evenly
distributed between U.S.,
European history, and non-European
world cultures; must include one writing-intensive course | 18    |

**TOTAL** .......................................................... 48

#### Other Required Courses

- ECON 260 Principles of Macroeconomics ............ 3
- ECON 261 Principles of Microeconomics ............ 3
- GEOG 235 World Geography                      | 3     |
- GEOG 354 Cultural Geography                   | 3     |
- HIST 480 Texas History                        | 3     |
- HIST 496 History for Teachers                 | 3     |
- HIST 353 Historical Methods (writing-intensive course) | 3     |
- POLS 225 National Government or POLS 226 States
  and Federal System                             | 3     |
- POLS 384 American Judicial Process or POLS 432
  Constitutional Law; Civil Rights              | 3     |
- POLS 381 American Political Process, POLS 491
  Recent Political Theory, POLS 492 American
  Political Thought or POLS 344 Comparative
  Politics                                      | 3     |
- PSYC 120 Introduction to Psychology or SOCI 111
  Introduction to Sociology                     | 3     |

**TOTAL** .......................................................... 48

*All non-transfer students must take HIST 221 and 222 in residence.*

**PROFESSIONAL EDUCATION REQUIREMENTS**

- EDUC 211 Educational Foundations and
  Multicultural Perspectives ................................. 3
- EDUC 221 Educational Psychology                  | 3     |
- EDUC 412 Secondary Curriculum and Media (capstone course) | 3     |
- EDUC 432 Secondary Management and Methods
  (capstone course) ............................................... 3
- EDUC 476 Effective Strategies for English Language
  Learners ............................................................ 3
- EDUC 490 Student Teaching (capstone course) ....... 3
- READ 322 Reading in Secondary Content Areas ...... 3
- SPED 371 Teaching Students with Special Needs
  (writing-intensive course)                       | 3     |

**TOTAL** .......................................................... 27

---

**PROFESSIONAL EDUCATION REQUIREMENTS**

- EDUC 211 Educational Foundations and
  Multicultural Perspectives ................................. 3
- EDUC 221 Educational Psychology                  | 3     |
- EDUC 412 Secondary Curriculum and Media (capstone course) | 3     |
- EDUC 432 Secondary Management and Methods
  (capstone course) ............................................... 3
- EDUC 476 Effective Strategies for English Language
  Learners ............................................................ 3
- EDUC 490 Student Teaching (capstone course) ....... 3
- READ 322 Reading in Secondary Content Areas ...... 3
- SPED 371 Teaching Students with Special Needs
  (writing-intensive course)                       | 3     |

**TOTAL** .......................................................... 27

---
**GLOBAL STUDIES (BA)**

### BA: GLOBAL STUDIES (GLST)

**UNIVERSITY REQUIREMENTS**

Please see the University Requirements section of this catalog (page 37).

**MAJOR REQUIREMENTS**

#### Global Studies Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLST 120 Introduction to Global Issues</td>
<td>3</td>
</tr>
<tr>
<td>GLST 499 Global Studies Seminar (capstone and writing-intensive course)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 131 World History: Cultures and Connections since 1400</td>
<td>3</td>
</tr>
<tr>
<td>POLS 227 Introduction to International Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL** | **9**

*Hours (in parentheses) may also fulfill university requirements and are not included in total major hours.*

#### Global History: Select 1-2 courses from among: HIST 414, 416, 436, 451, 474, 478, 479, 490, 495

**TOTAL** | **3-6**

#### Global Culture: Select 3-5 courses from among (must include courses from at least two different prefixes): BMIS 245, BMIS 371, BMIS 420, BMIS 458, COMM 345, ENGL 232, ENGL 499, SPAN or FREN (300-499), GEOG 354, GLST 212*, GLST 214*, or GLST 217* 

**TOTAL** | **9-15**

#### Global Structures: Select 3-5 courses from among (must include courses from at least two different prefixes): AENV 130, BUSA 419, COMM 383, ECON 438, ENVR 420, GEOG 354, HIST 451, POLS 344, POLS 357, POLS 358, POLS 360, POLS 361, POLS 385, POLS 484, POLS 485, or POLS 487

**TOTAL** | **9-15**

#### STUDY ABROAD

It is highly recommended that each student “Study Abroad” at least once in order to gain practical cross-cultural learning experiences.

#### FOREIGN LANGUAGE PROFICIENCY

Sophomore level proficiency in a second language must be demonstrated by students whose first language is English

**TOTAL** | **0-12**

#### ELECTIVES

Students are strongly encouraged to use electives to pursue a complementary Minor or 2

**TOTAL MAJOR HOURS** | **72**

#### OTHER GRADUATION REQUIREMENTS

**Minimum GPA in major** | **2.70**
**Minimum GPA for Graduation** | **2.00**
**Minimum advanced hours** | **33**
**Minimum total hours** | **128**

Area identified courses numbered 0** do not count in minimum hours required for degree.

---

**Minor in History**

**MINOR: HISTORY (HIST)**

Choose from: HIST 100-499

**TOTAL** | **18**

**Minor in Global Studies**

**MINOR: GLOBAL STUDIES (GLST)**

GLST 120 Introduction to Global Issues

HIST 131 World History: Cultures and Connections since 1400

Select 4 courses from among the following (no more than 1 upper-level History course; no more than 2 courses from any other prefix):


Up to 6 hours of upper-level language courses (e.g., SPAN, FREN; NOTE: Student may count up to 3 hours of 200-level coursework if taken in the cultural setting of the language in question (e.g., Arabic or Mandarin in CCCU Best Semester Program, Spanish 211 or 212 in Montevideo, GER 221 or 222 in Leipzig, etc.).

**TOTAL** | **18**

---

**Ethnic and Women’s Studies Minor**

**Introduction**

Prompted by the affirmation of Abilene Christian University’s mission statement, ACU offers an interdisciplinary minor in ethnic and women’s studies. Both male and female students of every ethnic identity are welcomed and encouraged to pursue this minor. The intent of the minor is not just to provide a token look at the contributions of ethnic groups and women in various fields, but to provide students with a critical filter through which to view other learning and life experiences.

The goals for the ethnic and women’s studies minor are:

- To provide resources for the further incorporation of the contributions of ethnic groups and women into all pertinent disciplines.
- To examine cultural assumptions about ethnicity, gender, race, and class in light of information made available by new research about current issues that ethnic groups and women face academically, professionally and personally.
- To address the intersections of ethnicity, race, class and gender in contemporary society from a Christian perspective.
- To establish in the campus community an awareness of the values, contributions and perspectives of ethnic groups and women.
ETHNIC AND WOMEN'S STUDIES MINOR

<table>
<thead>
<tr>
<th>MINOR: ETHNIC AND WOMEN'S STUDIES (ETWS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 250 Introduction to American Ethnic and Women's Studies ...</td>
</tr>
<tr>
<td>Selection, 15 hours: (≥2 courses from each area)</td>
</tr>
<tr>
<td>a. Women’s studies: BIBM 405, COMM 450, HIST 455 or ENGL 464</td>
</tr>
<tr>
<td>b. Ethnic studies: COMM 345, ENGL 470 or HIST 455</td>
</tr>
<tr>
<td>TOTAL</td>
</tr>
</tbody>
</table>

Course Descriptions
Please see the Course Descriptions section of this catalog (page 165). Courses offered by the Department of History and Global Studies include those with the following designations: FLLA, GEOG, GLST, and HIST.

Journalism and Mass Communication

Cheryl Mann Bacon, Chair
ACU Box 27892
Abilene, Texas 79699-7892
Don Morris Center, Room 301
Phone: 325-674-2296
Fax: 325-674-2139
Email: cheryl.bacon@jmc.acu.edu
Web: www.acu.edu/jmc

Faculty
Cheryl Bacon, Professor
Nathan Gibbs, Assistant Professor
Joyce Haley, Instructor
Susan Lewis, Associate Professor
Doug Mendenhall, Assistant Professor
Kenneth Pybus, Associate Professor
George Saltsman, Adjunct Instructor
Jessica Smith, Associate Professor
Cade White, Instructor

Majors: Advertising/Public Relations (BS)
Convergence Journalism (BS)
Convergence Journalism (BA)
Convergence Journalism/Multimedia with Teacher Certification (BS)
Multimedia (BS)

Minors: Digital Media
Advertising/Public Relations
Convergence Journalism
Media Studies

The Department of Journalism and Mass Communication is accredited by the Accrediting Council on Education in Journalism and Mass Communication. The department offers the Bachelor of Science and Bachelor of Arts degrees. Majors in journalism and mass communication may concentrate in one of three programs: advertising/public relations, multimedia or convergence journalism or they may pursue teaching certification in convergence journalism/multimedia.

The department also cooperates with the Department of Art and Design to offer the Bachelor of Science interdisciplinary degree in graphic design/advertising. A minor in advertising/public relations, digital media, journalism or media studies may be added to other majors outside the Department of Journalism and Mass Communication.

Introduction
The mission of the Journalism and Mass Communication Department is to engage students in critical and creative thinking in the classroom, in the laboratory, and through mentoring relationships, leading them to become exceptional, ethical, and agile communicators in a rapidly changing media environment, embracing technology, valuing diversity, and embodying Christ-centered service.

Course work in the department carefully balances theoretical and practical information about journalism and mass communication. The curriculum is designed to help students master analytical processes, writing, technology, and the theoretical, historical, ethical and legal foundations of their major field choices.

State-of-the-art laboratories and a faculty that balances strong academic and professional preparation complement the unique purposes of the university and the department. Student media operated by the department are KACU-FM, a National Public Radio affiliate; ACU Videoworks, a television production facility; the Optimist, a twice-weekly All-American student newspaper; Optimist Online and mobile media; Morris & Mitchell, a student-run advertising/public relations
agency, and 99 West, a student-run multimedia production agency. Together, the Optimist, its online and mobile versions and KACU-FM comprise the JMC Network. All of these operations have access to up-to-date computer and electronic technology so the graduate is proficient in contemporary media operations.

Professionally oriented student organizations supplement the students’ preparation. Available are the Ad/PR Club, affiliated with the American Advertising Federation and including the Public Relations Student Society of America chapter; Kappa Tau Alpha, national honor society for journalism and mass communication students; a chapter of the Society of Professional Journalists; a student chapter of the Broadcast Education Association; and a student chapter of the National Association of Hispanic Journalists.

All majors are strongly encouraged to be active members of at least one of the professional societies or associations.

**Study Abroad Expectations**

All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year.

**Bachelor of Science Degrees (BS)**

**Admission Requirements**

Before being admitted to a program, a student must satisfy the requirements listed in the *ACT/SAT Placement Information* section of this catalog (page 19). Before enrolling in JMC 102, Creating Media Messages, a student must make a score of 70 or higher on the Grammar, Punctuation and Spelling Exam, or have an SAT verbal score of 550 or an ACT English score of 24.

Degree plans in each field include both academic and practical experience. In addition to on-campus media experience, students are required to do an internship. They have the opportunity to work in internships at the *Abilene Reporter-News*, local radio and television stations, local advertising agencies or public relations departments. Summer internships have been done by recent graduates in Washington, D.C., Nashville, Oklahoma City, Dallas, Fort Worth, Amarillo, Abilene, Shreveport, St. Louis, Austin, Atlanta, New York, Los Angeles, Honolulu, Seattle and Chicago.

**ADVERTISING/PUBLIC RELATIONS (BS)**

### BS: ADVERTISING/PUBLIC RELATIONS DEGREE PLAN (JAPR)

#### UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

#### MAJOR REQUIREMENTS

**Journalism and Mass Communication Core**

- JMC 100 Media Issues ................................................................. (3)
- JMC 201 Introduction to Visual Media ......................................... 3
- JMC 302 Introduction to Race and Media .................................... 1
- JMC 303 JMC Colloquium on Race and Media (twice) ............... 2
- JMC 351 Web Publishing ............................................................ 3
- JMC 342 Communication Design ................................................ 3
- JMC 488 Communication Law (writing-intensive & capstone course) ....................................................... 3
- JMC 495 Internship (capstone course) ........................................ 1

**TOTAL** .................................................. 16

**Advertising/Public Relations Core**

- JMC 102 Creating Media Messages or JMC 223 Convergence Reporting I .................................................... (3)
- JMC 321 Student Media/Agency Lab (2 semesters required; 1 must be with student-run Ad/PR agency) ............ 0
- JMC 347 Principles of Public Relations ....................................... 3
- JMC 348 Principles of Advertising .............................................. 3

**JMC 389 Public Relations Writing** ........................................... 3
- JMC 492 Ad/PR Campaigns ......................................................... 3
- JMC Elective (JMC 100-499) ....................................................... 3

**TOTAL** .................................................. 18

**Advertising/Public Relations Menu**

Choose two of the following courses: JMC 367, 390, or 391 ........ 6

**TOTAL** .................................................. 40

**SUPPORT FIELD OR MINOR**

Select any minor of your choice.

* Or Choose from the following designated support fields: art, business, communication, English, Spanish, French, theater, political science, psychology, or sociology.

- Lower selections ................................................................. 9
- Advanced selections ............................................................ 6

**TOTAL** .................................................. 15

**SUPPLEMENT FOR MAJOR**

- **PSYC 120 Introduction of Psychology or**
- **SOCI 111 Introduction to Sociology** ...................................... (3)
- **MKTG 320 Principles of Marketing** ........................................ 3
- **MGMT 330 Management and Organizational Behavior** ....... 3
- **BUSM 419 International Business** .......................................... 3
- **SOCI 315 Social Research or SOCI 416 Social Statistics** ....... 3

**TOTAL** .................................................. 12

- *COBA hours may be included in the 15-hour support field or be included in the 5 hour elective block.*
- **Hours (in parentheses) may also fulfill university requirements and are not included in total major hours**

#### ELECTIVES

- Minimum (maximum of 3 hours may be JMC) ...................... 5

**TOTAL MAJOR HOURS** .................................................. 72

**OTHER GRADUATION REQUIREMENTS**

- Minimum GPA in major ......................................................... 2.00
- Minimum GPA for graduation ................................................ 2.25
- Minimum number of hours outside JMC ................................. 72
- Minimum advanced hours ..................................................... 33
- Minimum total hours ............................................................ 128

*Courses numbered 0** do not count in Minimum hours required for degree.*

**CONVERGENCE JOURNALISM (BS)**

### BS: CONVERGENCE JOURNALISM DEGREE PLAN (JOCI)

#### UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

#### MAJOR REQUIREMENTS

**Journalism and Mass Communication Core**

- JMC 100 Media Issues ................................................................. (3)
- JMC 201 Introduction to Visual Media ......................................... 3
- JMC 302 Introduction to Race and Media .................................... 1
- JMC 303 JMC Colloquium on Race and Media (twice) ............... 2
- JMC 351 Web Publishing ............................................................ 3
- JMC 342 Communication Design ................................................ 3
- JMC 488 Communication Law (writing-intensive & capstone course) ....................................................... 3
- JMC 495 Internship (capstone course) ........................................ 1

**TOTAL** .................................................. 16

**Convergence Journalism Core**

- JMC 223 Convergence Reporting I ............................................ 3
- JMC 321 Student Media Lab (2 semesters required; 1 must be on the student newspaper) .......... 0
- JMC 324 Convergence Reporting II .......................................... 3
- JMC 341 Editing and Content Management ............................... 3
### Convergence Journalism (BA)

**UNIVERSITY REQUIREMENTS**

Please see the University Requirements section of this catalog (page 37).

**MAJOR REQUIREMENTS**

#### Journalism and Mass Communication Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JMC 100 Media Issues</td>
<td>(3)**</td>
</tr>
<tr>
<td>JMC 201 Introduction to Visual Media</td>
<td>3</td>
</tr>
<tr>
<td>JMC 302 Introduction to Race and Media</td>
<td>1</td>
</tr>
<tr>
<td>JMC 303 JMC Colloquium on Race and Media (twice)</td>
<td>2</td>
</tr>
<tr>
<td>JMC 351 Web Publishing</td>
<td>3</td>
</tr>
<tr>
<td>JMC 342 Communication Design</td>
<td>3</td>
</tr>
<tr>
<td>JMC 488 Communication Law (writing-intensive &amp; capstone course)</td>
<td>3</td>
</tr>
<tr>
<td>JMC 495 Internship (capstone course)</td>
<td>1</td>
</tr>
</tbody>
</table>

**TOTAL**

16

#### Convergence Journalism Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JMC 223 Convergence Reporting I</td>
<td>3</td>
</tr>
<tr>
<td>JMC 321 Student Media Lab (2 semesters required; 1 must be on the student newspaper)</td>
<td>0</td>
</tr>
<tr>
<td>JMC 324 Convergence Reporting II</td>
<td>3</td>
</tr>
<tr>
<td>JMC 341 Editing and Content Management</td>
<td>3</td>
</tr>
<tr>
<td>Choose 1: JMC 438, JMC 449, JMC 450, or JMC 441</td>
<td>3</td>
</tr>
<tr>
<td>JMC Elective (JMC 100-499)</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL**

15

#### Convergence Journalism Selection

Choose 2 of the following courses: JMC 111, 233, 261, 438, 441, 449, 450, or 465

**TOTAL**

37

---

**SUPPORT FIELD OR MINOR**

Choose from any field. Requirements for a formal minor are set by each department and may vary in hours. A support field consists of 15 hours, of which 6 must be advanced selections. Bible cannot be used as a support field.

Lower selections | 9
Advanced selections | 6

**TOTAL**

15

---

**SUPPLEMENT FOR MAJOR**

- POLS 225 National Government or POLS 226 States and Federal System | (3)**

**ELECTIVES (assuming support field)**

Minimum (maximum of 3 hours may be JMC) | 20

**TOTAL MAJOR HOURS**

72

---

**OTHER GRADUATION REQUIREMENTS**

Minimum GPA in major | 2.00
Minimum GPA for graduation | 2.25
Minimum number of hours outside JMC | 72
Minimum advanced hours | 33
Minimum total hours | 128

Courses numbered 0** do not count in minimum hours required for degree.
EDUC 432 Secondary Management and Methods (capstone course) .......................... 3
EDUC 476 Effective Strategies for English Language Learners ............................... 3
EDUC 490 Student Teaching (capstone course) ....................................................... 6
READ 322 Reading in Secondary Content Areas .................................................... 3
SPED 371 Teaching Students with Special Needs (writing-intensive course) .......... 3

**TOTAL** ................................................................................................. 21

*Hours (in parentheses) may also fulfill university requirements and are not included in total major hours.

**ELECTIVES**
Minimum (3 JMC hours maximum) ................................................................. 12

**TOTAL MAJOR HOURS** ........................................................................ 72

**CRITERIA FOR ADMISSION TO TEACHER EDUCATION**

In accordance with Texas state law, students must meet the admission criteria described on page 115.

**OTHER GRADUATION REQUIREMENTS**
Minimum GPA for graduation ................................................................. 2.75
Minimum GPA in major ............................................................................. 2.25
Minimum hours outside JMC ................................................................. 72
Minimum advanced hours ....................................................................... 33
Minimum total hours .............................................................................. 128

*Courses numbered 0** do not count in minimum hours required for degree.

**MULTIMEDIA (BS)**

**BS: MULTIMEDIA DEGREE PLAN (JMM)**

**UNIVERSITY REQUIREMENTS**
Please see the University Requirements section of this catalog (page 37).

**MAJOR REQUIREMENTS**

**Journalism and Mass Communication**

JMC 100 Media Issues ............................................................................... (3)
JMC 201 Introduction to Visual Media ........................................................ 3
JMC 302 Introduction to Race and Media ..................................................... 1
JMC 303 Colloquium on Race and Media (twice) .......................................... 2
JMC 351 Web Publishing ............................................................................. 3
JMC 342 Communication Design ................................................................ 3
JMC 488 Communication Law (writing-intensive & capstone course) .......... 3
JMC 495 Internship (capstone course) ........................................................ 1

**TOTAL** ................................................................................................ 16

**Multimedia Core**

JMC 102 Creating Media Messages or JMC 223 Convergence Reporting I .............. 3
JMC 233 Photography .................................................................................. 3
JMC 261 Broadcast Production .................................................................... 3
JMC 317 Electronic Media Principles ............................................................ 3
JMC 321 Student Media/Agency Lab (2 semesters required; one must be with student-run multimedia production agency) .......................... 0
JMC 361 Advanced Video Production ........................................................... 3
JMC Elective (JMC 100-499) ....................................................................... 3

**TOTAL** ................................................................................................ 18

**Multimedia Menu**

Choose 2 of the following courses: JMC 223, 352, 367, 390, or 465 .................... 6

**TOTAL** ................................................................................................ 40

**SUPPORT FIELD OR MINOR**
Choose support field from art, business, communication, computer science, English, Spanish, French, political science, psychology, sociology or theatre.

Lower selections ......................................................................................... 9
Advanced selections .................................................................................. 6

**TOTAL** ................................................................................................ 15

**SUPPLEMENT FOR MAJOR**

**PSYC 120 Introduction of Psychology or SOCI 111 Introduction to Sociology ....................................................................................... (3)**
Choose 2 courses:

ART 105 Two-Dimensional Design
ART 351 Typography I
CS 115 Introduction to Programming Using Scripting
CS 116 Applied Programming Using Scripting
IT 105 Mobile App Development
DET 210 Digital Entertainment Technology I
DET 310 Digital Entertainment Technology II

**TOTAL** ................................................................................................ 6

*Hours (in parentheses) may also fulfill university requirements and are not included in total major hours.

*Some prerequisites must be honored to take certain courses.

**Digital Media Minor**

This 18-hour minor is designed to provide digital media support for all types of majors—particularly in careers that require message presentation comprising digital photography and video; presentation graphics; computer-assisted training; and desktop, CD, DVD and World-Wide Web publishing. The program is managed by the Department of Journalism and Mass Communication, but a maximum of two courses may be substituted from other departments to give the minor an interdisciplinary flavor.

Before being admitted to a program, a student must satisfy the requirements listed in the *ACT/SAT Placement Information* section of this catalog (page 19). Although JMC 102, Creating Media Messages, is not required for the digital media minor, a student must make a score of 70 or higher on the Grammar, Punctuation and Spelling Exam, or have an SAT verbal score of 550 or an ACT English score of 24, in order to declare the minor.

**Minor in Digital Media**

**DIGITAL MEDIA MINOR (DGME)**

Digital media minors may take the required JMC classes without meeting the prerequisites of JMC 100 and JMC 102. All other prerequisites will apply. Freshmen and sophomores may take JMC 233 or 260 after completing JMC 201, but they cannot take an advanced course until their junior year.

**Digital Media Core:** JMC 201, 233 or 261, 342, 351, 352, 361 or 367 and 488 ................................................................. 12-18

**Substitution from other departments:** Students may petition to substitute one or two computer-based courses that are relevant to this minor and that fit the individual student’s needs. .................. 0-6

**TOTAL** ................................................................................................ 18

*Note: The minor advisor may be able to waive prerequisites for some courses within this minor.*

**Other Minors in Journalism and Mass Communication**

Before being admitted to a program, a student must satisfy the requirements listed in the *ACT/SAT Placement Information* section of this catalog (page 19). Before enrolling in JMC 102, Creating Media Messages, or in JMC 223, Convergence Reporting I, a student must
make a score of 70 or higher on the Grammar, Punctuation and Spelling Exam, or have an SAT verbal score of 550 or an ACT English score of 24.

<table>
<thead>
<tr>
<th>OTHER MINORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advertising/Public Relations (Ad/PR)</td>
</tr>
<tr>
<td>JMC 102 or 223; 347 or 348; 389, 390 or 391; 488, 492 .......... 15</td>
</tr>
<tr>
<td>One 3-hour JMC Selection.................................................. 3</td>
</tr>
<tr>
<td>TOTAL ................................................................. 18</td>
</tr>
</tbody>
</table>

| Convergence Journalism (JOCJ) |
| JMC 223, 324, 341, 261 or 342, 438 (requires 261), 441, 449, or 450, 488 ......................... 18 |

| Media Studies (JMMS) |
| JMC 100, 102 or 223, 317, 347 or 348, 488, JMC 100-499 ...... 18 |

TOTAL ................................................................. 18

Note: The minor advisor may be able to waive prerequisites for some courses within these minors.

Course Descriptions
Please see the Course Descriptions section of this catalog (page 165). Courses offered by the Department of Journalism and Mass Communication include those with the following designation: JMC. These courses are the JMC core: JMC 100, 201, 302, 303, 321, 342, 351, 488, 495.

Language and Literature

B. Cole Bennett, Chair
ACU Box 28252
Abilene, Texas 79699-8252
Hardin Administration Building, Suite 212
Phone: 325-674-2263
Fax: 325-674-2408
Email: cole.bennett@acu.edu
Web: www.acu.edu/language-literature
Blog: blogs.acu.edu/english

Faculty
Carolina Archer, Instructor
B. Cole Bennett, Professor
Brian Brown, Instructor
Laura Carroll, Associate Professor
William M. Carroll, Associate Professor
Suanna Davis, Assistant Professor
Mikee Delony, Associate Professor
Kyle Dickson, Professor
Jeremy Elliott, Assistant Professor
Carol Evans, Instructor
Albert Haley, Professor
William Horn, Instructor
Steven T. Moore, Associate Professor
Yann Opsitch, Instructor
M. Harland Rall, Assistant Professor
Sharon Rankin, Assistant Professor
Paul Roggendorff, Assistant Professor
Michelle Sanders, Associate Professor
Joseph F. Stephenson, Associate Professor
Carolyn Thompson, Instructor
Jeanine Varner, Professor
Beatriz Walker, Associate Professor
Stephen R. Weathers, Associate Professor
Debbie Williams, Associate Professor
Todd Womble, Associate Professor

Majors: English (BA)
English for Teacher Certification (BA)
Spanish (BA)
Spanish for Teacher Certification (BA)

Minors: English
Professional Writing
Spanish
French

The Department of Language and Literature offers the Bachelor of Arts in English, the Bachelor of Arts in Spanish, the Bachelor of Arts in English for Teacher Certification, and the Bachelor of Arts in Spanish for Teacher Certification. A minor in English, Professional Writing, French, or Spanish may be added to other majors.

The Master of Arts in English is available with emphases in literature, composition and rhetoric, or writing. See the Graduate School section of this catalog (page 128).

Introduction
The goal of the Department of Language and Literature is to provide students with the core of a liberal education while also preparing them for satisfying careers. The study of languages, literature, rhetoric, and poetry is the student’s key to becoming a citizen of the world. Students develop a deep satisfaction when they can communicate with people outside their own country and linguistic background.

The Bachelor of Arts in English prepares students for graduate work in English, for careers as college English teachers, or for careers in
technical or creative writing. It also provides preparatory training for law school, public relations, library science, personnel work, management, government work or the dozens of other fields that require broad reading, self-expression, an understanding of human nature and the ability to analyze and organize information. Since this degree allows a considerable number of elective hours, students majoring in English can often secure a major in a second field or a minor, thus enhancing their career options.

The Bachelor of Arts in English for Teacher Certification prepares students who wish to teach in high school with English as a single teaching field. Like other English majors, those interested in this degree will be advised by the Department of English.

The Bachelor of Arts in Spanish and the Bachelor of Arts in Spanish for Teaching Certification can enhance a student’s qualifications for many challenging careers:

- **Teaching.** Our nation needs outstanding foreign language teachers and scholars in universities, colleges, secondary schools and elementary schools.

- **Business.** A major combining business and foreign language can lead to careers with multinational corporations, in international banking or accounting, hotel management, import-export business or many other areas. *Many articles have been written of the importance of language and culture abilities as crucial elements of success within international companies.*

- **Government Service.** Important jobs in the Armed Services, the Department of State, the Department of Commerce and the International Communication Agency require proficiency in foreign languages. Students should consider supplementing language preparation with courses in business management, economics and communication.

- **Mission Work.** The majority of the world does not speak English. In order to communicate the Gospel of Jesus Christ around the world, missionaries need to speak foreign languages. Even if ACU does not offer the specific language of a given country, we often can help the prospective missionary with a language that is widely spoken in the area he or she is targeting, e.g., French in West Africa, German for Eastern Europe. Moreover, the best way to raise one’s general language aptitude is to study a foreign language.

- **Pre-Med.** Students entering medical fields often find that a major or minor in a foreign language broadens their intellectual horizons, increases their ability to communicate with patients and is favored by medical schools since it indicates broad human interests.

Also, journalists, librarians, writers, researchers, doctors, nurses, police officers, social workers, and many others often find foreign language skills essential.

The person who knows a foreign language has an added dimension to his or her life. Language expands and heightens the pleasure of travel, of good literature, and of the arts. It fosters a sense of shared humanity. These intangible benefits may be the most rewarding of all.

**Admission Requirements**

Before being admitted to a program, a student must satisfy the requirements listed in the *ACT/SAT Placement Information* section of this catalog (page 19).

**ENGLISH (BA)**

### BA: ENGLISH DEGREE PLAN (ENGL)

#### UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

#### MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>English Literature</th>
<th>Choose 1 course: ENGL 221, 231 or 262 ........................................ (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Literature – choose 1: ENGL 222, 232 or 263 ........................................ (3)</td>
</tr>
<tr>
<td>(Students are required to have 6 hours of 200-level ENGL, 6 hours of British before 1700 and 6 hours of British after 1700. It is recommended that students take 221 and 222.)</td>
<td></td>
</tr>
</tbody>
</table>

**Introduction to English Studies**

- ENGL 301 Introduction to the Major .................................................. 3
- ENGL 311 Literary Theory and Criticism or ENGL 441* Topics in Literary Criticism & Bibliography .......... 3
- ENGL 325 Advanced Composition (Writing-intensive course) .......... 3

**Writing and Rhetoric**

- Choose 1 course from: ENGL 320, 322, 323, 324, 326, 328, 329, 331 or 442* ........................................ 3

**English Language**

- Choose 1 course from: ENGL 330, 432 or 443* .......................... 3

**American Literature before 1860**

- Choose 1 course from ENGL 362 or 446 ........................................ 3

**American Literature after 1860**

- Choose 1 course from ENGL 363, 446 or 464 ........................................ 3

**Multicultural Literature**

- Choose 1 course from ENGL 446 or 470 ........................................ 3

**Genre Studies**

- Choose 1 course from ENGL 351, 376, 377, 378 or 447* .............. 3

**British Literature Before 1700**

- Choose 1 course from ENGL 448*, 481, 483 or 484 ..................... 3

**British Literature After 1700**

- Choose 1 course from: ENGL 449*, 495, 496 or 497 ................. 3

**Culture and Belief**

- Choose 1 course from: ENGL 471, 472 or 473 ............................ 3

**Advanced English Selection**

- Choose 1 course from: ENGL 380, 410, or courses listed above ........ 3

**Capstone**

- ENGL 499 Studies in World Literature (capstone course) ........... 3

**TOTAL** ................................. 45

*Students may apply one topics course in one area section, plus one other topics course in the Advanced English Selection; all others will count as electives.

1 Hours (in parentheses) may also fulfill University requirements and are not included in total major hours

**SUPPLEMENT FOR MAJOR**

- FLLA, FREN, GER or SPAN 221, 222 ............................................ 6
- History (any 100 or 200 level course) .......................................... (3) |

**TOTAL** ................................ 6

**ELECTIVES**

- Minimum ................................................................. 21

**TOTAL MAJOR HOURS** ................................. 72

**OTHER GRADUATION REQUIREMENTS**

- Minimum GPA in major ...................................................... 2.25
- Minimum GPA for graduation .............................................. 2.00
- Minimum advanced hours .................................................. 33
- Minimum total hours ....................................................... 128

*Courses numbered 0** do not count in minimum hours required for degree.

**ENGLISH FOR TEACHER CERTIFICATION (BA)**

### BA: ENGLISH WITH CERTIFICATION DEGREE PLAN (ENGT)

#### UNIVERSITY REQUIREMENTS
Please see the University Requirements section of this catalog (page 37).

**MAJOR REQUIREMENTS**

**Sophomore Literature**
- ENGL 221 Major British Writers I or
- ENGL 262 American Literature Before 1900 .......................... (3)*
- ENGL 222 Major British Writers II or
- ENGL 263 American Literature After 1900 .......................... 3

*Student must continue the sequence chosen for the University Requirement.

**Required English**
- ENGL 301 Introduction to the Major ........................................ 3
- ENGL 311 Literary Theory and Criticism ................................. 3
- ENGL 325 Advanced Composition (writing-intensive course) .... 3
- ENGL 330 Advanced English Grammar .................................. 3
- ENGL 351 Literature for Young Adults .................................... 3
- ENGL 459 English for Secondary Teachers ............................. 3
- ENGL 483 Shakespeare ............................................................ 3

**American Literature**
- Choose from: ENGL 362, 363, 446**, 464 or 470 .................... 3-6

**British Literature After 1700**
- Choose from: ENGL 449**, 495, 496 or 497 ............................. 0-3

**Advanced English Selection**

**Capstone**
- ENGL 499 Studies in World Literature (capstone course) ....... 3

**Foreign Language**
- FLLA, FREN, GER, or SPAN 221, 222 ................................. 6
- HIST 100-299 ......................................................................... (3)*

**TOTAL** .................................................................................. 42

*NOTE: Students who take ENGL 221/222 are not required to take a course from British Literature After 1700. Students who take ENGL 262/263 are required to take only 3 hours from American Literature.

**Professionals may apply one topics course in one area section, plus one other topics course in the Advanced English Selection; all others will count as electives.

1 Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

**PROFESSIONAL EDUCATION REQUIREMENTS**

**Reading**
- READ 322 Reading in Secondary Content Areas ...................... 3
- READ 363 Foundations of Reading ........................................... 3
- EDUC 476 Effective Teaching Strategies for English Language Learners ........................................... 3

**Education**
- EDUC 211 Educational Foundations and
  Multicultural Perspectives ....................................................... (3)*
- EDUC 221 Educational Psychology ......................................... (3)*
- EDUC 412 Secondary Curriculum and Media (capstone course) 3
- EDUC 432 Secondary Management and Methods
  (capstone course) .................................................................. 3
- EDUC 490 Student Teaching (capstone course) ....................... 6
- SPED 371 Teaching Students with Special Needs
  (writing-intensive course) ....................................................... 3

**TOTAL** .................................................................................. 27

**ELECTIVES**

Minimum (3 hours may be Education) ........................................ 6

**TOTAL MAJOR HOURS** .......................................................... 72

**CRITERIA FOR ADMISSION TO TEACHER EDUCATION**

In accordance with Texas state law, students must meet the admission criteria described on page 115.
through your local high school. Visit ACU’s University Testing Center for more information about the AP.

**WebCAPE Placement Exam**

WebCAPE French, German, or Spanish Test – strongly recommended for all students wishing to register for their first foreign language class at ACU (and for whom transfer, CLEP, or AP work). FREN 111 Beginning French I, GER 111 Beginning German I, and SPAN 111 Beginning Spanish I are strictly designed and reserved for students with no previous knowledge of the target language.

**Placement Credit**

Students who take the WebCAPE and whose first foreign language class at ACU is beyond the first semester level may earn additional language credit as follows:

- If the first foreign language class is at the second semester level (FREN 112, GER 112, or SPAN 112) and a grade of B- or higher is earned, three semester hours credit will also be awarded for the first semester course in the same language.
- If the first foreign language class is at the third semester level (FREN 221, GER 221, or SPAN 221) and a grade of B- or higher is earned, six semester hours credits will also be awarded for the first and second semester courses in the same language.
- If the first foreign language class is at the fourth semester level (FREN 222, GER 222, or SPAN 222) and a grade of B- or higher is earned, nine semester hours credit will also be awarded for the first through third semester courses in the same language.
- If the first foreign language class is an advanced course (FREN 30+, GER 3+, or SPAN 3+) and a grade of B- or higher is earned, twelve semester hour credit will also be awarded for the first through fourth semester courses in the same language.

**Admission Requirements**

Before being admitted to a program, a student must satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19).

**Study Abroad Expectations**

All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Spanish Majors and Minors are strongly encouraged to participate in an Immersion Semester in Uruguay (Montevideo Si) or another immersion program. French Minors are strongly encouraged to participate in our French study abroad summer or another immersion program. Students should consult with their advisor as soon as possible.

**SPANISH (BA)**

### BA: SPANISH DEGREE PLAN (SPAN)

#### UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

### MAJOR REQUIREMENTS

#### Foundational Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 222 Intermediate Spanish II</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 290 Intermediate Conversation Lab</td>
<td>1-5</td>
</tr>
<tr>
<td>SPAN 301 Advanced Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 499 Spanish Capstone (capstone and writing-intensive course)</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Advanced Language

Choose 6 hours from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 305 Immersion Communication</td>
<td>6</td>
</tr>
<tr>
<td>SPAN 320 Advanced Grammar</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 321 Advanced Composition</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Advanced Culture

Choose 6 hours from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 342 Peninsular Spanish Culture</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 343 Latin American Culture</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 345 Culture of South American Southern Cone</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 444 Revolution &amp; Insurrection in Latin America</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Advanced Electives

Choose 6 hours from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 221 Intermediate Spanish I</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 222 Intermediate Spanish II</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 305 Immersion Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 345 Culture of South American Southern Cone</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 365 Survey of South American Southern Cone Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Total Hours

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum advanced hours</td>
<td>33</td>
</tr>
<tr>
<td>Total major hours</td>
<td>72</td>
</tr>
</tbody>
</table>

#### Electives

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum GPA in major</td>
<td>2.25</td>
</tr>
<tr>
<td>Minimum GPA for graduation</td>
<td>2.00</td>
</tr>
<tr>
<td>Minimum advanced hours</td>
<td>33</td>
</tr>
<tr>
<td>Minimum total hours</td>
<td>128</td>
</tr>
</tbody>
</table>

**Teacher Certification**

Students interested in teaching Spanish at the high school level should choose the BA Spanish for Teacher Certification degree plan. It will meet all the requirements for language and teacher certification as specified by the Department of Teacher Education.

### SPANISH TEACHER CERTIFICATION (BA)

#### BA: SPANISH TEACHER CERTIFICATION DEGREE PLAN (SPNT)

#### UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

### MAJOR REQUIREMENTS

#### Spanish

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 221 Intermediate Spanish I</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 222 Intermediate Spanish II</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 320 Advanced Grammar</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 321 Advanced Composition</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Total Hours

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum advanced hours</td>
<td>33</td>
</tr>
<tr>
<td>Total major hours</td>
<td>72</td>
</tr>
</tbody>
</table>

Courses numbered 0** do not count in minimum hours required for degree.
SPAN 342 Peninsular Spanish Culture .............................................. 3
SPAN 343 Latin American Culture .................................................. 3
SPAN 480 Spanish for Teachers ....................................................... 3
SPAN 481 Oral Proficiency for Educators ........................................ 3
SPAN 499 Spanish Capstone (capstone and writing intensive course) ................................................................................................................. 3

Choose 2 courses from:
SPAN 301 Advanced Communication ............................................. 3
SPAN 305 Immersion Communication ............................................. 3
SPAN 360 Survey of Peninsular Literature ....................................... 3
SPAN 361 Survey of Latin American Literature ............................... 3
SPAN 460 Drama .............................................................................. 3
SPAN 461 Novel ................................................................................ 3

A student can earn between six and fifteen credit hours at our study abroad site in Uruguay. The regular Montevideo program offers beginning and intermediate courses, as well as advanced courses through Universidad Católica or Universidad de Montevideo.

The Montevideo Semester Immersion Program offers intermediate and an advanced track. The intermediate track consists of:
- SPAN 221 Intermediate Spanish I
- SPAN 222 Intermediate Spanish II
- SPAN 305 Immersion Communication
- SPAN 453 Culture of South American Southern cone
- SPAN 365 Survey of South American Southern Cone Literature

The advanced track consists of:
- SPAN 305 Immersion Communication
- SPAN 345 Culture of South American Southern Cone
- SPAN 365 Survey of South American Southern Cone Literature

A 400 level culture course
A 400 level literature course

TOTAL ......................................................................................... 30

Sophomore Literature
ENGL 231 World Literature I ...................................................... 3
ENGL 232 World Literature II ...................................................... 3

TOTAL ......................................................................................... 3

PROFESSIONAL EDUCATION REQUIREMENTS

EACH 363 Early Language and Literacy ......................................... 3
EDUC 211 Educational Foundations and Multicultural Perspectives ........................................ 3
EDUC 221 Educational Psychology .................................................. 3
EDUC 412 Secondary Curriculum and Media (capstone course) 3
EDUC 432 Secondary Management and Methods (capstone courses) ........................................ 3
EDUC 476 Effective Strategies for English Language Learners .......... 3
EDUC 490 Student Teaching (capstone course) ............................ 3
READ 322 Reading in Secondary Content Areas .......................... 3
SPED 371 Teaching Students with Special Needs (writing-intensive course) ........................................ 3

TOTAL ......................................................................................... 27

1 Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

ELECTIVES

Minimum ..................................................................................... 12

TOTAL MAJOR HOURS ................................................................ 72

CRITERIA FOR ADMISSION TO TEACHER EDUCATION

In accordance with Texas state law, students must meet the admission criteria described on page 115.

OTHER GRADUATION REQUIREMENTS

Minimum GPA for graduation ................................................... 2.75
Minimum advanced hours ......................................................... 33
Minimum total hours .................................................................. 128

Courses numbered 0** do not count in minimum hours required for degree.

Minor in a Foreign Language: Spanish

MINOR: FOREIGN LANGUAGE – SPANISH (SPAN)

Spanish
- SPAN 222 Intermediate Spanish II .............................................. 3
- SPAN 290 Intermediate Spanish Lab ............................................ 1-3

Choose 1 course: SPAN 301 Advanced Communication or
- SPAN 305 Immersion Conversation ........................................... 3

Choose 1 Advanced Language course: (SPAN 320-339, 420-439) 3
Choose 1 Advanced Culture course: (SPAN 341-359, 441-459) .... 3
Choose 1 Advanced Literature course: (SPAN 360-379, 460-479) 3
Choose 1 Advanced Elective course: (SPAN 300-499) .................. 3

TOTAL ......................................................................................... 19-21

Minor in Foreign Language: French

MINOR: FOREIGN LANGUAGE – FRENCH (FREN)

FREN 221/222 Intermediate French .............................................. 6
FREN 352 Introduction to French Culture .................................... 3
FREN 386 French Composition and Conversation (writing-intensive course) ........................................ 3
FREN 481 Medieval and Renaissance French Literature ............... 3
FREN 484 Twentieth-Century French Literature .......................... 3

TOTAL ......................................................................................... 18

Foreign Language for Native Speakers of Other Languages

A special provision exists for the satisfaction of foreign language requirements (under the university requirements) by students for whom English is a second language. Students seeking to fulfill the foreign language requirements by the alternative means listed below must (if requested to do so) be able to demonstrate to the chair of the Department of Language and Literature native proficiency in a language other than English (not a dialect of English). The student’s native language need not be one of those offered by the Department of Language and Literature.

University Requirements

The requirement for “Foreign Language – 2 high school units or 6 hours” will be satisfied upon successful completion of the university requirement for “English – composition: ENGL 111 or equivalent (3) and Literature (3)” for students who qualify as non-native speakers of English (see above).

Bachelor of Arts Degree

For all Bachelor of Arts degree programs having a requirement for “foreign language – sophomore level – 6 hours,” that requirement will be satisfied upon completion of the Bachelor of Arts requirement for English – composition: ENGL 112 (3) and a second Literature course (3) for students who qualify as non-native speakers of English (see above).

Under this special provision, college credit will be granted for the English courses, but not for any ESL (English as a Second Language) course. Students will still need to complete the prescribed number of hours for particular degree programs (usually this will mean that a Bachelor of Arts degree student will need an additional 12 hours of electives to replace the 12 hours of foreign language that were satisfied by the alternative means outlined above).

Institute of Intensive English (IIE)

The Institute of Intensive English (IIE) provides semester-long English as a Second Language (ESL) courses at the low-intermediate, high-intermediate and advanced levels. The IIE curriculum is designed to prepare students for ACU credit courses and consists of grammar, reading, composition and oral/aural communication courses at each of the three levels (except that the oral/aural communication course is omitted at the Advanced level).

The low-intermediate and high-intermediate blocks consist of 20 class hours per week (the summer schedule is slightly more intensive). The advanced ESL block consists of 15 class hours per week plus
enrollment in one regular or audit class. ESL students must enroll in all courses included in their assigned block of courses (one of the three levels listed) according to incoming ESL placement exam results at ACU or incoming TOEFL scores. Students advance from their initial block by achieving passing grades in all courses of that block. Students earning a failing grade in even a single course of a given block must repeat that entire block. Permission to enroll in full-time developmental and regular credit courses is granted upon successful completion of the advanced ESL block. A particular TOEFL score is not required for ESL students who move from the ESL block into undergraduate courses upon completion of the advanced level. However, students wishing to enter graduate work must meet additional Graduate School requirements, including a minimum TOEFL score of 550, or computer-based score of 213.

Course Descriptions
Please see the Course Descriptions section of this catalog (page 165). ESL courses offered by the Department of Language and Literature include those with the following designation: FLEN.

ESL course offerings include the following groupings:
- Low-Intermediate ESL Block: FLEN 021, 023, 027, 029.
- High-Intermediate ESL Block: FLEN 031, 033, 037, 039.
- Advanced ESL Block: FLEN 041, 047, 049.

NOTE: Courses numbered 000-099 do not count toward the minimum hours required for a bachelor’s degree, nor do they affect the cumulative GPA.

Course Descriptions
Please see the Course Descriptions section of this catalog (page 165). Courses offered by the Department of Language and Literature include those with the following designations: ENGL, FLEN, FREN, GER, and SPAN.

NOTE: All first-year foreign language classes require a lab. Any first-year foreign language (FLLA, FREN, GER, SPAN 111, 112) may be used to fulfill admissions deficiency requirements.

Mathematics
David Hendricks, Chair
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Foster Science Building, Room 215
Phone: 325-674-2007
Fax: 325-674-6753
Email: chair@math.acu.edu
Web: www.acu.edu/mathematics

Faculty
Phyllis Bolin, Associate Professor
John Ehrke, Associate Professor
David Hendricks, Associate Professor
Alexander Karabegov, Professor
Julie McQueen, Instructor
Mark Riggs, Professor
Cheryl Schwathale, Instructor
John Smallwood, Assistant Professor
Connie Yarema, Professor

Majors: Mathematics (BA)
Mathematics (BS)
Mathematics – Concentration in Actuarial Science (BS)
Mathematics for Grades 7-12 Teacher Certification (BS)

Minor: Mathematics

The Department of Mathematics offers the Bachelor of Science degree in mathematics and the Bachelor of Arts degree in mathematics. High school teacher certification in mathematics may be obtained with the Bachelor of Science. A minor in mathematics may be added to other majors.

The department hires students as computer lab monitors or paper graders. For information contact the department administrative coordinator.

Introduction
As the language in which nature speaks to us, mathematics has been a vital ingredient in physics and chemistry and the intellectual fabrics of a broad range of disciplines, increasing its impact on such diverse areas as space science, management and the social sciences. More recently, the fundamental role of mathematics has been recognized in biology and medicine. Moreover, it has long been an essential component of the school and college curriculum, especially for the preparation of scientists and engineers. Mathematics is the foundation of our technological society and is a growing, changing discipline with new results constantly being discovered. The computer has extended the reach and power of mathematics, making it even more crucial that young people be solidly grounded in the subject. Mathematics is a crucial component of our culture and a discipline essential to the well-being of American science and technology, as well as to economic strength, industrial competitiveness and national defense.

The department offers a variety of undergraduate programs to meet those needs.

The Bachelor of Science degree in mathematics has the flexibility to permit a student to tailor the degree plan to fit individual needs. Courses required for this degree expose one to a wide range of mathematics and to thought patterns and problem solving skills useful in all of life. This degree is excellent preparation for many careers and has the flexibility to prepare one for graduate study in mathematics, statistics, operations research, medicine, business, and many other areas.

The Bachelor of Science degree in mathematics teaching is designed to prepare high school mathematics teachers. There are several courses in this degree which are specifically tailored to the needs of students preparing to pass the Texas teacher certification examination in mathematics for grades 7 to 12.
The Bachelor of Science in mathematics with a concentration in actuarial science is designed specifically for students whose career goals include the actuarial field. Coursework in mathematics and business prepares the student to pass the initial actuarial exams and receive credit required by the American actuarial societies.

The Bachelor of Arts degree in mathematics is a strong liberal arts degree. The degree requires a minor, and it is suitable for anyone wanting a degree in mathematics while at the same time taking several courses in a different discipline.

The department expects any graduate with a major in mathematics to have the following abilities: (1) to analyze and solve problems using techniques of undergraduate mathematics; (2) to undertake independent study of literature in mathematics; (3) to communicate in both oral and written form the results of mathematical problems and/or investigations; and (4) to use technology in solving mathematical problems.

ACU’s elementary mathematics courses are planned so that students who take precalculus or calculus start at a level suitable to their preparation. Placement in these courses is based on results of the COMPASS placement exam.

Credit by examination for calculus is available through national exams. More information is available at the university testing center.

Study Abroad Expectations
All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year.

Admissions Requirements
Before being admitted to a program, a student must satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19).

Bachelor of Science Degree (BS)

MATHEMATICS (BS)

BS: MATHEMATICS DEGREE PLAN (MATH)

UNIVERSITY REQUIREMENTS
Please see the University Requirements section of this catalog (page 37).

MAJOR REQUIREMENTS

Mathematics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 185 Calculus I</td>
<td>..........................</td>
<td>(3)**</td>
</tr>
<tr>
<td>MATH 186 Calculus II</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 187 Calculus Computer Lab</td>
<td>..........................</td>
<td>1</td>
</tr>
<tr>
<td>MATH 227 Discrete Mathematics</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 286 Calculus III</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 325 Linear Algebra</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 351 Abstract Algebra I</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 377 Statistical Methods I</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 381 Analysis I</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 397 Mathematics Seminar</td>
<td>..........................</td>
<td>2</td>
</tr>
<tr>
<td>MATH 497 Mathematics Capstone (capstone and writing-intensive course)</td>
<td>..........................</td>
<td>2</td>
</tr>
<tr>
<td>MATH 483 Analysis II</td>
<td>..........................</td>
<td>3</td>
</tr>
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Choose 1 course from the following: .......................... 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 453 Abstract Algebra II</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 478 Mathematical Statistics</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 483 Analysis II</td>
<td>..........................</td>
<td>3</td>
</tr>
</tbody>
</table>

Advanced Mathematics Selections

(excluding 309, 311, 410, and 412) .......................... 9

TOTAL .......................... 38

*Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

SUPPLEMENT FOR MAJOR

Computer Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 120 Programming I</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>CS 341 Numerical Methods</td>
<td>..........................</td>
<td>3</td>
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</table>

Supplemental Menu

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 112/114 General Biology I Lecture/Lab or CHEM 133/131 General Chemistry I Lecture/Lab</td>
<td>..........................</td>
<td>3**/1</td>
</tr>
<tr>
<td>PHYS 220 Engineering Physics I</td>
<td>..........................</td>
<td>(3)**</td>
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<tr>
<td>PHYS 221 Engineering Physics I Lab</td>
<td>..........................</td>
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</tr>
<tr>
<td>PHYS 222 Engineering Physics II</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 223 Engineering Physics II Lab</td>
<td>..........................</td>
<td>1</td>
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Choose 2 courses from the following: .......................... 6-8

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 210, 211, BIOL 112/114, 113/115, CHEM 133/131, 134/132, CS 332, 365, 442, PHYS 330/331 or Modern foreign language</td>
<td>..........................</td>
<td>18-20</td>
</tr>
</tbody>
</table>

*Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

ELECTIVES

Minimum .......................... 14-16

TOTAL MAJOR HOURS .......................... 72

OTHER GRADUATION REQUIREMENTS

Minimum GPA in major requirements .......................... 2.00

Minimum GPA for graduation .......................... 2.00

Minimum advanced hours .......................... 33

Minimum total hours .......................... 128

Courses numbered 0** do not count in minimum hours required for degree.

MATHEMATICS – CONCENTRATION IN ACTUARIAL SCIENCE (BS)

BS: MATHEMATICS DEGREE PLAN – CONCENTRATION IN ACTUARIAL SCIENCE (MATH) (MASC)

UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

MAJOR REQUIREMENTS

Mathematics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 185 Calculus I</td>
<td>..........................</td>
<td>(3)**</td>
</tr>
<tr>
<td>MATH 186 Calculus II</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 187 Calculus Computer Lab</td>
<td>..........................</td>
<td>1</td>
</tr>
<tr>
<td>MATH 227 Discrete Mathematics</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 286 Calculus III</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 325 Linear Algebra</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 351 Abstract Algebra I</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 377 Statistical Methods I</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 381 Analysis I</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 397 Mathematics Seminar</td>
<td>..........................</td>
<td>2</td>
</tr>
<tr>
<td>MATH 497 Mathematics Capstone (capstone and writing-intensive course)</td>
<td>..........................</td>
<td>2</td>
</tr>
<tr>
<td>MATH 483 Analysis II</td>
<td>..........................</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose 2 from the following: .......................... 6

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 453 Abstract Algebra II</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 478 Mathematical Statistics</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>MATH 483 Analysis II</td>
<td>..........................</td>
<td>3</td>
</tr>
</tbody>
</table>

Advanced Mathematics Selection

(excluding 309, 311, 410, and 412) .......................... 3

TOTAL .......................... 35

*Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

SUPPLEMENT FOR MAJOR

Computer Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 120 Programming I</td>
<td>..........................</td>
<td>3</td>
</tr>
</tbody>
</table>

Business Administration

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 210 Financial Accounting</td>
<td>..........................</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 211 Managerial Accounting</td>
<td>..........................</td>
<td>3</td>
</tr>
</tbody>
</table>
ECON 260 Principles of Macroeconomics (3)
ECON 261 Principles of Microeconomics (3)
FIN 310 Financial Management (3)
FIN 419 International Financial Markets (3)
IS 324 Management Information Systems (3)
One upper level course (FIN 411 suggested) (3)

**Business or Mathematics Selection**

ECON 463 Managerial Economics or
FIN 412 Financial Theory and Practice (suggested) (3)

**TOTAL** 27

1 Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

**ELECTIVES**

Minimum 10

**TOTAL MAJOR HOURS** 72

**OTHER GRADUATION REQUIREMENTS**

Minimum GPA in major requirements and supplement 2.50
Minimum GPA for graduation 2.00
Minimum advanced hours 33
Minimum total hours 128

Courses numbered 0** do not count in minimum hours required for degree.

### Mathematics for Grades 7-12 Teacher Certification (BS)

#### BS: Mathematics (One-Field Teacher Certification) Degree Plan (MATT)

**UNIVERSITY REQUIREMENTS**

Please see the University Requirements section of this catalog (page 37).

**MAJOR REQUIREMENTS**

**Mathematics**

- MATH 185 Calculus I (3)
- MATH 186 Calculus II (3)
- MATH 187 Calculus Computer Lab (1)
- MATH 218 Numerical Problems in Mathematics (lab) (1)
- MATH 227 Discrete Mathematics (3)
- MATH 247 Number Concepts for Grades 7-12 Teachers (3)
- MATH 286 Calculus III (3)
- MATH 311 Geometric Concepts for Teachers I (3)
- MATH 325 Linear Algebra (3)
- MATH 334 Linear Programming or MATH 361 Ordinary Differential Equations (3)
- MATH 351 Abstract Algebra I (3)
- MATH 377 Statistical Methods I (3)
- MATH 381 Analysis I or MATH 477 Statistical Methods II (3)
- MATH 397 Mathematics Seminar (2)
- MATH 410 Algebraic Concepts for Teachers I (3)
- MATH 412 Geometric Concepts for Teachers II (3)
- MATH 418 Professional Development Experience in Mathematics (lab) (1)
- MATH 497 Mathematics Capstone (capstone and writing-intensive course) (2)

**TOTAL** 46

1 Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

**SUPPLEMENT FOR MAJOR**

**Science**

- CHEM 133/131, PHYS 110/111, or PHYS 220/221 (3)

**TOTAL** 1

**PROFESSIONAL EDUCATION REQUIREMENTS**

- EDUC 211 Educational Foundations and Multicultural Perspectives (3)
- EDUC 221 Educational Psychology (3)

**Bachelor of Arts Degree (BA)**

**Admission Requirements**

Before being admitted to a program, a student must satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19).

Students planning to use the BA in mathematics as a basis for entering the teaching profession at the high school level should refer to the Department of Teacher Education for a list of admission requirements to the Teacher Education Program (page 115).

#### Mathematics (BA)

**BA: Mathematics Degree Plan (MATH)**

**UNIVERSITY REQUIREMENTS**

Please see the University Requirements section of this catalog (page 37).

**MAJOR REQUIREMENTS**

**Mathematics**

- MATH 185 Calculus I (3)
- MATH 186 Calculus II (3)
- MATH 187 Calculus Computer Lab (1)
- MATH 227 Discrete Mathematics (3)
- MATH 325 Linear Algebra (3)
- MATH 377 Statistical Methods I (3)
- MATH 397 Mathematics Seminar (2)
- MATH 497 Mathematics Capstone (capstone and writing-intensive course) (2)

**TOTAL** 17

**Other Required Courses**

- Sophomore (or higher) Literature (3)
- FLLA, FREN, GER, or SPAN 221, 222 (6)

**TOTAL** 9

1 Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

**CONCENTRATIONS (CHOOSE ONE)**

- Applied Mathematics Track

- EDUC 412 Secondary Curriculum and Media (capstone course) (3)
- EDUC 432 Secondary Management and Methods (capstone course) (3)
- EDUC 476 Effective Strategies for English Language Learners (3)
- EDUC 490 Student Teaching (capstone course) (6)
- READ 322 Reading in Secondary Content Areas (3)
- SPED 371 Teaching Students with Special Needs (writing-intensive course) (3)

Must make application and be approved to take EDUC 490.

GPA of 2.75 required to remain in Teacher Education Program

**TOTAL** 19

1 Hours (in parentheses) may also fulfill university requirements and are not included in total major hours
Minor in Mathematics
A minor in mathematics may be added to other degrees. Some of the courses in this minor will have prerequisites.

<table>
<thead>
<tr>
<th>MINOR: MATHEMATICS (MATH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 185 Calculus I (MATH) 3</td>
</tr>
<tr>
<td>MATH 186 Calculus II ........... 3</td>
</tr>
<tr>
<td>MATH 187 Calculus Computer Lab ............................................. 1</td>
</tr>
<tr>
<td>MATH 227 Discrete Mathematics .............................................. 3</td>
</tr>
<tr>
<td>Choose 3 courses from: MATH 286, 325, 334, 351, 361, 377, 381, 432, 463, or 477 .......... 9</td>
</tr>
<tr>
<td>TOTAL (6 hours must be advanced) ........................................... 19</td>
</tr>
</tbody>
</table>

Course Descriptions
Please see the Course Descriptions section of this catalog (page 165). Courses offered by the Department of Mathematics include those with the following designations: MATH and MATW.
touring musical groups, working with copyright laws, and teaching at colleges and universities.

Most graduates become music educators in the public schools and are highly sought after for positions throughout Texas. Directing a band, chorus, or orchestra is challenging and personally satisfying and generally receives a salary increment above state base. The Music Department also prepares students well for graduate study. More than 95 percent of the graduates who apply are accepted to the program of their choice and are consistently awarded outstanding performance and academic scholarships, as well as teaching assistantships.

The Department of Music at Abilene Christian University is an accredited institutional member of the National Association of Schools of Music and is a member of the Texas Association of Music Schools. Courses and degree plans satisfy requirements of the Texas Education Agency.

General Departmental Requirements

Admission Audition
Each entering major, whether a freshman or transfer student, must appear for an admission audition, held the weekend prior to the beginning of the fall term or by appointment. Students will be assigned to instructors on the basis of the audition. Those who audition for scholarships during the general scholarship auditions are not required to audition for admission to the department.

Degree Recitals
A junior recital is required of all performance majors. A senior recital is required of all music majors, except for those under the Bachelor of Arts degree. A student must be enrolled in major private instruction during the semester of this recital.

Grades
Majors must receive a grade of “C” or better in all music classes. A course with a lower grade must be repeated for credit. Majors must achieve a minimum GPA of 2.25 for music major courses.

Jury Examinations
Students studying privately in their major area of concentration are required to attend weekly performance labs and to appear for a jury examination before a faculty panel at the end of each semester.

Piano Proficiency Exam
Every music major is required to pass the piano proficiency exam except students working toward the BA degree and piano majors. Students who do not pass the exam by the end of the sophomore year will register for piano each succeeding semester until they have passed. The examination measures the student’s ability to play all major and minor scales with both hands over two octaves, to sight read a piece of moderate difficulty, to harmonize a melody at sight and to perform a prepared piece. The exam is given once each semester. The four-semester class piano sequence is designed to adequately prepare the student for the piano proficiency exam.

Recital Attendance
All music majors who are full-time students must successfully complete the requirements of Recital Seminar each semester, until eight semesters have been completed, whether for Credit or No-Credit.

Scholarships
Scholarships in music are available for voice, piano, band, and orchestra. Interested students should contact the Department of Music for information, applications and audition dates. Auditions for the following school year begin in November and continue through March with scholarships being awarded in April. Instead of appearing in person for this audition, a tape may be mailed to the chair of the department prior to March 15.

Sophomore Proficiency Exam
At the close of the fourth semester of private instruction, all music majors are required to take the sophomore proficiency exam. Majors may not enroll in upper-level private instruction and music core courses until the exam has been passed.

Theory Placement Exam
All freshman music majors specializing in music must take the theory placement exam prior to registration. Students can receive credit for MUST 131, depending on the results of the exam. This exam also helps to identify students who may need special help in theory.

Music Performance Ensembles
The following ensembles are available to majors and non-majors. They may be taken for Credit/No-Credit (0 hours, but requires a participation fee). Ensembles are available for lower or upper level credit. The student does not have to be a music major to participate in any performance ensemble. See the Department of Music for details and information about auditioning for ensembles. Music majors are required to successfully complete the requirements of a major performance ensemble every semester. Music Education students are exempt from this requirement the semester during which they student teach. Band and orchestral instruments may be rented for a fee.

Bands
The Big Purple Marching Band is a dynamic and exciting ensemble comprised of both music and non-music majors, established in the early days of Abilene Christian College. The Big Purple is one of the largest co-ed organizations on the ACU campus. The band is a vital part of the ACU Opening Ceremonies each year and prepares a themed half-time show each year to be performed at all home football games.

The Wind Ensemble is comprised of outstanding undergraduate wind and percussion players, including almost equal numbers of music and non-music majors. The ensemble maintains a very active performance schedule. Annual tours throughout Texas include performances in high schools, churches, and other concert venues. In history, the Wind Ensemble has performed at six TMEA conferences and three CBDNA conferences. In 2010, they toured internationally, traveling to Brazil for a spring break concert tour and campaign. Every year, the Wind Ensemble closes the term with a brown bag concert for local elementary school children.

The Concert Band is open to all students with no audition required. The goal of the band is to provide an outlet for musical creativity offering maximum enjoyment with limited performance demands. Students are challenged with high caliber music to continue their musical growth while pursuing their majors.

Chamber Ensembles
A variety of chamber music ensembles, including brass quintet, instrumental ensemble, piano ensemble, flute choir, string quartet, and woodwind quintet are open to qualified performers. Interested musicians should contact the proper faculty director to arrange an audition.

Choruses
The A Cappella Chorus of Abilene Christian University is the oldest a cappella chorus in the Southwest. Established in 1932 by the late Dr. Leonard Burford, A Cappella is dedicated to the study and performance of the finest choral literature of all musical eras. A Cappella takes one short tour in the spring and gives four major concerts each year. Music and non-music majors are accepted by audition only.

The University Chorale is a large chorus consisting primarily of freshmen and transfer students. Chorale is open to music and non-music majors and no audition is required for students with high school choral experience. The Chorus enables students to participate in choral activities without sacrificing substantial time from their major studies. On special occasions, such as Opening Ceremony, Homecoming, Veteran’s Day, and Christmas Vespers, University Chorale and A Cappella perform together as the ACU Grand Chorus.

The ACU Chamber Singers is a select ensemble whose purpose is to explore the gamut of choral music with particular emphasis on early music and contemporary chamber music. The Chamber Singers perform at campus and community events, contributing to the artistic and academic life of the university. Auditions are highly competitive and are held at the end of the spring semester. Membership is open to all ACU students.
Jazz
The Jazz Ensemble is comprised of both music and non-music majors and performs many different styles of music from the swing era to modern jazz. This ensemble maintains an active performance schedule, both on and off campus, consisting of annual appearances at Sing Song, various social and community events, as well as participation in the Abilene Jazz Festival.

The Jazz Combos offer an opportunity for students to learn about jazz styles while performing in a small group of four to seven students. These small ensembles consist of both music and non-music majors on various instruments. They perform a wide range of jazz standards, as well as new compositions and arrangements by students and faculty. Vocal Jazz opportunities are also available for vocalists who are interested in this idiom. They perform in a wide variety of settings, from on-campus recitals to less formal gigs in Abilene and out of town.

Musical Theatre
Music students have an opportunity to participate in the annual Homecoming musical produced in cooperation with the Theatre Department each fall. Other university productions such as Sing Song also give students experience in musical theatre.

Orchestra
The Orchestra performs full orchestral literature and chamber music and is a vital contributor to the Department of music and the campus at large. The Orchestra presents concerts throughout the year, serving as the pit for the Homecoming Musical, performing with annual opera productions, hosting the biannual Concerto/Aria Competition and presenting the annual Christmas Vespers. Scholarships are available by audition for both music and non-music majors.

Opera
The Opera Workshop is a training program for voice majors and non-majors designed to equip them with the skills to become a competent performer. Students will learn the technical aspects of opera production, such as stage management, lighting, building sets, locating props, creating costumes, and handling publicity. Amahl and the Night Visitors, a one-act, fully-staged Christmas Opera has become a yearly tradition each fall for this ensemble.

Percussion Ensemble and Steel Drum Band
The Percussion Ensemble is made up of music and non-music majors and maintains an active performance schedule. This outstanding ensemble performs a wide variety of literature, ranging from standard modern works to brand-new compositions. Their excellent inventory of percussion instruments from around the world allows them to explore musical styles from West Africa, Cuba, Brazil, and Trinidad-Tobago.

The Steel Drum Band is a component of the Percussion Ensemble and has been a vital part of the Abilene musical community since 1992. In addition to playing for numerous civic and private engagements, they have been featured as guest artists with local musical organizations, performed at the Percussive Arts Society International Convention, and performed in such prestigious venues as the Wortham Center in Houston and the Morton H. Meyerson Symphony Center in Dallas.

Special Events
Concerto/Aria Competition
The bi-annual Concerto/Aria Competition affords gifted vocalists, instrumentalists, and pianists the opportunity to perform as soloists with the Orchestra in a spring concert. Any private lesson student with the approval of their private instructor may audition to participate in the Concerto Concert.

Honors Recital
An Honors Recital is held in the alternating years to the Concerto/Aria Competition. Faculty and guests judge the competition among interested music majors. The final program features the selected vocalists, instrumentalists, and pianists in a public performance.

Guest Artists
Guest artists are frequently invited to present concerts for students and guests. Recent guest artists have included Jazz professionals such as D.J. Logic and Christian McBride, and composer, Carter Pann. In addition, respected musical artists and clinicians with varied musical backgrounds are invited regularly to interact with students in master classes and as guest conductors and lecturers.

Admission Requirements
Before being admitted to this program, a student must audition and satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19).

Bachelor of Arts Degree (BA)
This degree is an appropriate course of study for undergraduates who wish to major in music as a part of a liberal arts program. This degree focuses on the literature of music rather than performance.

MUSIC (BA)

<table>
<thead>
<tr>
<th>BA: MUSIC DEGREE PLAN (Musi)</th>
<th>UNIVERSITY REQUIREMENTS</th>
<th>MAJOR REQUIREMENTS</th>
<th>SUPPLEMENT FOR MAJOR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Theory</td>
<td>General BA: MUSI</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Additional Music Selections</td>
<td>Suggestions include: MUST 232, 331, 332, 432, MUSM 331, 441, 442, MUSE 335 or 337</td>
</tr>
<tr>
<td></td>
<td></td>
<td>English</td>
<td>Student’s choice (may not include recital seminar or performing ensembles)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Additional Major Requirements</td>
<td>selected from either content courses, private instruction, or ensembles</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Recital Seminar</td>
<td>Major Concentration (private instruction)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Additional Selections in Music</td>
<td>Can be in two fields</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Performance Ensemble</td>
<td>Each semester, credit or non-credit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TOTAL</td>
<td>TOTAL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TOTAL MAJOR HOURS</td>
<td>OTHER GRADUATION REQUIREMENTS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Bachelor of Music Degree (BM)

Admission Requirements
Before being admitted to this program, a student must audition and satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19).

MUSIC FOR TEACHER CERTIFICATION (BM)

BM: INSTRUMENTAL (ALL-LEVEL TEACHER CERTIFICATION) DEGREE PLAN (MTA)

UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

MAJOR REQUIREMENTS

Theory
MUST 111 Elementary Theory: Sight Singing and Ear Training ... 1
MUST 112 Elementary Theory: Sight Singing and Ear Training ... 1
MUST 131 Elementary Theory I: Analysis and Keyboard ............ 3
MUST 132 Elementary Theory II: Analysis and Keyboard .......... 3
MUST 211 Advanced Theory: Sight Singing and Ear Training .... 1
MUST 212 Advanced Theory: Sight Singing and Ear Training .... 1
MUST 231 Advanced Theory I: Analysis and Keyboard .......... 3
MUST 232 Advanced Theory II: Analysis and Keyboard .......... 3
MUST 332 Forms and Analysis ........................................ 1
MUST 432 Orchestration and Arranging ............................... 2

Music Specialization Skills
MUSE 334 Beginning Conducting ....................................... 2
MUSE 337 Intermediate Conducting .................................... 1

Musicology
MUSM 131 Music in World Cultures .................................. (2)
MUSM 132 Music Literature ............................................. (1)
MUSM 432 Music History II: 1750-the Present ................... 3
MUSM 449 Capstone Seminar in Music History and Theory (capstone course) .................................................. 1

Recital Seminar
Eight semesters, credit or non-credit ................................... 0

Performance Ensemble
Each semester (except during Student Teaching), credit or non-credit ................................................................. 0

TOTAL ............................................................................ 27

INSTRUMENTAL CONCENTRATION

Pedagogy
MUSE 110 Concepts of Percussion ...................................... 1
MUSE 115 Concepts of High Brasses .................................. 1
MUSE 116 Concepts of Clarinet and Saxophone ................. 1
MUSE 117 Concepts of Low Brasses .................................. 1
MUSE 118 Concepts of Flute and Double-Reeds ................. 1
MUSE 119 Concepts of Strings .......................................... 1
MUSE 211 Concepts of Jazz and Improvisation .................. 1

Major Concentration
MPIM (major) ................................................................ 14

Piano
2 hours of MUPC and/or MUPN (or proficiency passed)* ... 2
*May substitute 2 hours in an ensemble if piano proficiency exam is passed.

Bible
MUSM 431 Music History I: Antiquity to 1750 (capstone and writing-intensive course) .................................. (3)

TOTAL ............................................................................ 23

1Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

PROFESSIONAL REQUIREMENTS

Reading and Education
EDUC 211 Educational Foundations and Multicultural Perspectives .......................................................... (3)
EDUC 221 Educational Psychology ...................................... (3)
EDUC 476 Effective Strategies for English Language Learners ... 3
EDUC 490 Student Teaching (capstone course) ................. 6
MUSE 449 Professional Practice in Music Education .......... 1

Other Required Courses
MUSE 236 Vocal Concepts ................................................ 1
MUSE 332 Elementary Music Techniques and Literature .... 3
MUSE 338 Band Methods: Marching Techniques and Wind Literature ......................................................... 2
MUSE 339 Secondary Music Methods – Instrumental .......... 3

TOTAL ............................................................................ 25

1Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

ELECTIVES

Minimum ................................................................. 0

TOTAL MAJOR HOURS .................................................................... 75

CRITERIA FOR ADMISSION TO TEACHER EDUCATION

In accordance with Texas state law, students must meet the admission criteria described on page 115.

OTHER GRADUATION REQUIREMENTS

Pass the piano proficiency exam, sophomore proficiency exam and present a senior recital.
Minimum grade for MUSE 332 and 333 ................................ C
Minimum grade in each required music course ....................... C
Minimum GPA in major ................................................. 2.25
Minimum GPA for graduation ........................................ 2.75
Minimum advanced hours ............................................ 33
Minimum total hours .................................................. 131

Courses numbered 0** do not count in minimum hours required for degree.

BM: PIANO (ALL-LEVEL TEACHER CERTIFICATION) DEGREE PLAN (MTA)

UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

MAJOR REQUIREMENTS

Theory
MUST 111 Elementary Theory: Sight Singing and Ear Training ... 1
MUST 112 Elementary Theory: Sight Singing and Ear Training ... 1
MUST 131 Elementary Theory I: Analysis and Keyboard .......... 3
MUST 132 Elementary Theory II: Analysis and Keyboard .......... 3
MUST 211 Advanced Theory: Sight Singing and Ear Training .... 1
MUST 212 Advanced Theory: Sight Singing and Ear Training .... 1
MUST 231 Advanced Theory I: Analysis and Keyboard .......... 3
MUST 232 Advanced Theory II: Analysis and Keyboard .......... 3
MUST 332 Forms and Analysis ........................................ 1
MUST 432 Orchestration and Arranging ............................... 2

Music Specialization Skills
MUSE 334 Beginning Conducting ....................................... 2
MUSE 337 Intermediate Conducting .................................... 1

Musicology
MUSM 131 Music in World Cultures .................................. (2)
MUSM 132 Music Literature ............................................. (1)
MUSM 432 Music History II: 1750-the Present ................... 3

TOTAL ............................................................................ 23

1Hours (in parentheses) may also fulfill university requirements and are not included in total major hours
### MUSE 339 Secondary Music Methods - Instrumental  
3

### MUSE 116 Clarinet/Saxophone  
1

### MUSE 117 Low Brass  
1

### MUSE 119 Strings  
1

### MUSE 115 High Brass  
1

### MUSE 335 Concepts of Piano Performance  
3

### MUSE 431 Music History I: Antiquity to 1750  
3

### MUSE 338 Band Methods  
2

### MUSE 118 Flute/Double Reed  
1

### MUSE 211 Jazz Improvisation  
1

### MUSE 338 Band Methods  
2

### MUSE 339 Secondary Music Methods - Instrumental  
3

### Pedagogy  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSE 236 Vocal Concepts</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 332 Elementary Music Techniques &amp; Literature</td>
<td>3</td>
</tr>
<tr>
<td>MUSE 335 Concepts of Piano Performance</td>
<td>3</td>
</tr>
</tbody>
</table>

### Bible  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSE 431 Music History I: Antiquity to 1750 (capstone and writing-intensive course)</td>
<td>(3)1</td>
</tr>
</tbody>
</table>

### TOTAL  
48

1 Hours (in parentheses) may also fulfill university requirements and are not included in total major hours.

### TRACKS (Choose One)  

#### VOCAL Track (MTPV)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor lessons (voice) MPVN</td>
<td>4</td>
</tr>
<tr>
<td>MUSE 235 Instrumental Concepts</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 333 Secondary Music Methods: Choral Organization and Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSE 110 Percussion</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 115 High Brass</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 116 Clarinet/Saxophone</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 117 Low Brass</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 118 Flute/Double Reed</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 119 Strings</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 339 Secondary Music Methods - Instrument</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Band Track (MTPB)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSE 110 Percussion</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 115 High Brass</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 116 Clarinet/Saxophone</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 117 Low Brass</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 118 Flute/Double Reed</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 119 Strings</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 339 Secondary Music Methods - Instrument</td>
<td>3</td>
</tr>
</tbody>
</table>

#### ORCHESTRA Track (MTPO)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSE 110 Percussion</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 115 High Brass</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 116 Clarinet/Saxophone</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 117 Low Brass</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 118 Flute/Double Reed</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 119 Strings</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 339 Secondary Music Methods - Instrument</td>
<td>3</td>
</tr>
</tbody>
</table>

### TOTAL MAJOR HOURS (MTPV)  
72

### TOTAL MAJOR HOURS (MTPB)  
75

### TOTAL MAJOR HOURS (MTPO)  
73

### PROFESSIONAL REQUIREMENTS

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 211 Educational Foundations and</td>
<td>(3)1</td>
</tr>
<tr>
<td>Multicultural Perspectives</td>
<td></td>
</tr>
<tr>
<td>EDUC 221 Educational Psychology</td>
<td>(3)1</td>
</tr>
<tr>
<td>EDUC 476 Effective Strategies for English Language Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 490 Student Teaching (capstone course)</td>
<td>6</td>
</tr>
<tr>
<td>MUSE 449 Professional Practice in Music Education</td>
<td>1</td>
</tr>
<tr>
<td>READ 322 Reading in Secondary content Areas</td>
<td>3</td>
</tr>
<tr>
<td>SPED 371 Teaching Students With Special Needs (writing-intensive course)</td>
<td>3</td>
</tr>
</tbody>
</table>

### TOTAL  
16

1 Hours (in parentheses) may also fulfill university requirements and are not included in total major hours.

### ELECTIVES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>Minimum</td>
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<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>TOTAL MAJOR HOURS (MTPV)</td>
<td>72</td>
</tr>
<tr>
<td>TOTAL MAJOR HOURS (MTPB)</td>
<td>75</td>
</tr>
<tr>
<td>TOTAL MAJOR HOURS (MTPO)</td>
<td>73</td>
</tr>
</tbody>
</table>

### CRITERIA FOR ADMISSION TO TEACHER EDUCATION

In accordance with Texas state law, students must meet the admission criteria described on page 115.

### OTHER GRADUATION REQUIREMENTS

Pass the piano proficiency exam, sophomore proficiency exam and present a senior recital.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum grade for MUSE 332 and 333</td>
<td>C</td>
</tr>
<tr>
<td>Minimum grade for each required music course</td>
<td>C</td>
</tr>
<tr>
<td>Minimum GPA in major</td>
<td>2.75</td>
</tr>
<tr>
<td>Minimum GPA for graduation</td>
<td>2.75</td>
</tr>
<tr>
<td>Minimum advanced hours</td>
<td>33</td>
</tr>
<tr>
<td>Minimum total hours (Vocal Track)</td>
<td>128</td>
</tr>
<tr>
<td>Minimum total hours (Band Track)</td>
<td>131</td>
</tr>
<tr>
<td>Minimum total hours (Orchestra Track)</td>
<td>129</td>
</tr>
</tbody>
</table>

**Courses numbered 0** do not count in minimum hours required for degree.

### BM: VOCAL (ALL-LEVEL TEACHER CERTIFICATION) DEGREE PLAN (MTVA)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSM 431 Music History I: Antiquity to 1750 (capstone and writing-intensive course)</td>
<td>(3)1</td>
</tr>
</tbody>
</table>

### UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

### MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>MUST 111 Elementary Theory: Sight Singing and Ear Training</td>
<td>1</td>
</tr>
<tr>
<td>MUST 112 Elementary Theory: Sight Singing and Ear Training</td>
<td>1</td>
</tr>
<tr>
<td>MUST 131 Elementary Theory I: Analysis and Keyboard</td>
<td>3</td>
</tr>
<tr>
<td>MUST 132 Elementary Theory II: Analysis and Keyboard</td>
<td>3</td>
</tr>
<tr>
<td>MUST 211 Advanced Theory: Sight Singing and Ear Training</td>
<td>1</td>
</tr>
<tr>
<td>MUST 212 Advanced Theory: Sight Singing and Ear Training</td>
<td>1</td>
</tr>
<tr>
<td>MUST 231 Advanced Theory I: Analysis and Keyboard</td>
<td>3</td>
</tr>
<tr>
<td>MUST 232 Advanced Theory II: Analysis and Keyboard</td>
<td>3</td>
</tr>
<tr>
<td>MUST 332 Forms and Analysis</td>
<td>1</td>
</tr>
<tr>
<td>MUST 432 Orchestration and Arranging</td>
<td>2</td>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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<tbody>
<tr>
<td>MUSE 334 Beginning Conducting</td>
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<tr>
<td>MUSE 337 Intermediate Conducting</td>
<td>1</td>
</tr>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSM 131 Music in World Cultures</td>
<td>(2)1</td>
</tr>
<tr>
<td>MUSM 132 Music Literature</td>
<td>(1)1/1</td>
</tr>
<tr>
<td>MUSM 432 Music History II: 1750-the Present</td>
<td>3</td>
</tr>
<tr>
<td>MUSM 449 Capstone Seminar in Music History and Theory (capstone course)</td>
<td>1</td>
</tr>
</tbody>
</table>

### Recital Seminar

Eight semesters, credit or non-credit 0

### Performance Ensemble

Each semester (except during Student Teaching), credit or non-credit 0

### TOTAL  
26

### VOCAL CONCENTRATION

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>MUSE 332 Elementary Music Techniques &amp; Literature</td>
<td>1</td>
</tr>
<tr>
<td>MUSE 333 Secondary Music Methods – Choral Organization and Administration</td>
<td>3</td>
</tr>
<tr>
<td>MUSE 336 Concepts of Vocal Performance</td>
<td>3</td>
</tr>
</tbody>
</table>

### Diction

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>MUSC 217 English and Italian Diction</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 218 French and German Diction</td>
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</table>

### Major Concentration (major lessons)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPVM</td>
<td>14</td>
</tr>
</tbody>
</table>

### Minor Concentration (non-major lessons)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUPC and/or MUPN</td>
<td>4</td>
</tr>
</tbody>
</table>

### Music Pedagogy

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSE 332 Elementary Music Techniques &amp; Literature</td>
<td>3</td>
</tr>
<tr>
<td>MUSE 333 Secondary Music Methods – Choral Organization and Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

### Bible

Minimum grade for each required music course 3

Minimum GPA in major 2.75

Minimum GPA for graduation 2.75

Minimum advanced hours 33

Minimum total hours (Vocal Track) 128

Minimum total hours (Band Track) 131

Minimum total hours (Orchestra Track) 129

Courses numbered 0 do not count in minimum hours required for degree.

Course numbered 0 do not count in minimum hours required for degree.
**PROFESSIONAL REQUIREMENTS**

**Reading and Education**
- EDUC 211 Educational Foundations and Multicultural Perspectives .................................................. (3)
- EDUC 221 Educational Psychology .............................................. (3)
- EDUC 476 Effective Strategies for English Language Learners ........ 3
- EDUC 490 Student Teaching (capstone course) ......................... 6
- MUSE 449 Professional practice in Music Education ................... 1
- READ 322 Reading in Secondary Content Areas ......................... 3
- SPED 371 Teaching Students With Special Needs (writing-intensive course) ................................................. 3

**TOTAL** ........................................................................ 16

1 Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

**ELECTIVES**

- Minimum .............................................................................. 0

**TOTAL MAJOR HOURS** ................................................... 72

**CRITERIA FOR ADMISSION TO TEACHER EDUCATION**

- In accordance with Texas state law, students must meet the admission criteria described on page 115.

**OTHER GRADUATION REQUIREMENTS**

- Pass the piano proficiency exam, sophomore proficiency exam and present a senior recital.
- Minimum grade for MUSE 332 and 333 .................................... C
- Minimum grade in each required music course .............................. C
- Minimum GPA in major .......................................................... 2.75
- Minimum GPA for graduation ................................................ 2.75
- Minimum advanced hours ....................................................... 33
- Minimum total hours ......................................................... 129

Courses numbered 0** do not count in minimum hours required for degree.

**PIANO OR VOCAL PERFORMANCE (BM)**

**BM: PIANO PERFORMANCE DEGREE PLAN (PIAP)**

**UNIVERSITY REQUIREMENTS**

Please see the University Requirements section of this catalog (page 37).

**MAJOR REQUIREMENTS**

**Theory**
- MUST 111 Elementary Theory: Sight Singing and Ear Training ... 1
- MUST 112 Elementary Theory: Sight Singing and Ear Training ... 1
- MUST 131 Elementary Theory I: Analysis and Keyboard ............ 3
- MUST 132 Elementary Theory II: Analysis and Keyboard ............ 3
- MUST 211 Advanced Theory: Sight Singing and Ear Training ..... 1
- MUST 212 Advanced Theory: Sight Singing and Ear Training ..... 1
- MUST 231 Advanced Theory I: Analysis and Keyboard ............ 3
- MUST 232 Advanced Theory II: Analysis and Keyboard ............ 3
- MUST 331 Counterpoint .......................................................... 2
- MUST 332 Forms and Analysis ................................................ 1

**Music Specialization Skills**
- MUSE 334 Beginning Conducting ........................................... 2

**MUSCIOLoGY**
- MUSM 131 Music in World Cultures ........................................ (2)
- MUSM 132 Music Literature .................................................. (1)/1
- MUSM 432 Music History II: 1750-the Present ......................... 3
- MUSM 449 Capstone Seminar in Music History and Theory (capstone course) .................................................. 1

**Recital Seminar**
- Eight semesters, credit or non-credit ...................................... 0

**Performance Ensemble**
- Each semester (except during Student Teaching), credit or non-credit .................................................. 0

**TOTAL** ........................................................................ 26

**PIANO CONCENTRATION**

**Concepts of Piano Performance**
- MUSE 335 Concepts of Piano Performance .......................... 3
- MUSM 441 Solo Piano Literature ............................................ 3
- MUSM 442 Ensemble Piano Literature ................................... 3

**Piano Ensemble and Accompanying**
- MPEI .................................................................................... 4

**Major Concentration**
- MUPM ............................................................................. 24

**Minor Concentration**
- Can be in two areas ......................................................... 4

Note: Piano majors may use four semesters of piano ensemble for performance ensemble.

**TOTAL** ........................................................................ 41

Arrange selections to ensure ≥33 advanced hours.

1 Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

**SUPPLEMENT FOR MAJOR**

**Bible**
- MUSM 431 Music History I: Antiquity to 1750 (capstone and writing-intensive course) ......................... (3)

**TOTAL** ........................................................................ 0

1 Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

**ELECTIVES**

- Electives ............................................................................. 6

**TOTAL MAJOR HOURS** ................................................... 73

**OTHER GRADUATION REQUIREMENTS**

- Junior and senior recitals
- Minimum grade in each required music course ............................ C
- Minimum GPA in major ......................................................... 2.25
- Minimum GPA for graduation ................................................ 2.00
- Minimum advanced hours ....................................................... 33
- Minimum total hours ......................................................... 129

Courses numbered 0** do not count in minimum hours required for degree.

**BM: VOCAL PERFORMANCE DEGREE PLAN (VOCP)**

**UNIVERSITY REQUIREMENTS**

Please see the University Requirements section of this catalog (page 37).

**MAJOR REQUIREMENTS**

**Theory**
- MUST 111 Elementary Theory: Sight Singing and Ear Training ... 1
- MUST 112 Elementary Theory: Sight Singing and Ear Training ... 1
- MUST 131 Elementary Theory I: Analysis and Keyboard ............ 3
- MUST 132 Elementary Theory II: Analysis and Keyboard ............ 3
- MUST 211 Advanced Theory: Sight Singing and Ear Training ..... 1
- MUST 212 Advanced Theory: Sight Singing and Ear Training ..... 1
- MUST 231 Advanced Theory I: Analysis and Keyboard ............ 3
- MUST 232 Advanced Theory II: Analysis and Keyboard ............ 3
- MUST 331 Counterpoint .......................................................... 2
- MUST 332 Forms and Analysis ................................................ 1

**Music Specialization Skills**
- MUSE 334 Beginning Conducting ........................................... 2

**MUSCIOLoGY**
- MUSM 131 Music in World Cultures ........................................ (2)
- MUSM 132 Music Literature .................................................. (1)/1
- MUSM 432 Music History II: 1750-the Present ......................... 3
- MUSM 449 Capstone Seminar in Music History and Theory (capstone course) .................................................. 1
### VOCAL CONCENTRATION

**Major concentration (major lessons)**
- MPVM ................................................. 24

**Minor Concentration (non-major lessons)** ........................................ 4

**Concepts of Vocal Performance**
- MUSE 336 Concepts of Vocal Performance .................................... 3
- MUSM 331 Solo Vocal Literature .................................................. 3
- MUSM 439 Opera History ............................................................ 3

**Vocal Diction**
- MUSC 217 English and Italian Diction ........................................... 1
- MUSC 218 French and German Diction .......................................... 1

**Opera Workshop**
- Four semesters, credit or non-credit
- MPEV 301 Opera Workshop ......................................................... 0

**TOTAL** .......................................................... 39

Arrange selections to ensure ≥33 advanced hours.  
1Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

### SUPPLEMENT FOR MAJOR

**Bible**
- MUSM 431 Music History I: Antiquity to 1750  
  (capstone and writing-intensive course) ........................................ (3)

**TOTAL** .......................................................... 0

1Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

### ELECTIVES

Electives .................................................................................. 7

**TOTAL MAJOR HOURS** .................................................. 72

### OTHER GRADUATION REQUIREMENTS

Junior and senior recitals
- Minimum grade in each required music course ............................. C
- Minimum GPA in major ........................................................... 2.25
- Minimum GPA for graduation .................................................. 2.00
- Minimum advanced hours ......................................................... 33
- Minimum total hours ............................................................... 128

*Courses numbered 0** do not count in minimum hours required for degree.*

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### ELECTIVES

Take 6 hours from:
- MUSE 334, 335, 336, MUSM 331, 431, 432 or 439

**TOTAL** .......................................................... 22

Completion of MUSM 131 and 132 satisfies university requirement.

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### Course Descriptions

Please see the *Course Descriptions* section of this catalog (page 165). Courses offered by the Department of Music include those with the following designations: MPEI, MPEV, MPIM, MPIN, MPVM, MPVN, MUPC, MUPM, MUPN, MUSC, MUSE, MUSM, MUSR and MUST.

*Note: Some courses are offered less than once a year. Failure to complete these courses when they are offered may delay graduation.*

---

### Minor in Music

**MINOR: MUSIC (MUSI)**

- MUSM 131 Music in World Cultures .............................................. 2
- MUSM 132 Music Literature .......................................................... 2
- MUST 111 Elementary Theory: Sight Singing and Ear Training .... 1
- MUST 112 Elementary Theory: Sight Singing and Ear Training .... 1
- MUST 131 Elementary Theory I: Analysis and Keyboard .......... 3
- MUST 132 Elementary Theory II: Analysis and Keyboard ........ 3
- Applied (private) lessons, two semesters minor lessons recommended .............................................. 2
- Performance ensemble .............................................................. 2

**TOTAL** .......................................................... 16

No more than 2 hours of applied lessons and no more than 2 hours of performance ensemble may be applied to the minor.

Recital seminar, two semesters .................................................. 0

Choose 6 hours from: ........................................................................ 6

- MUSE 334, 335, 336, MUSM 331, 431, 432 or 439

**TOTAL** .......................................................... 22

---

### Minor in Music

**MINOR: MUSIC (MUSI)**

- MUSM 131 Music in World Cultures .............................................. 2
- MUSM 132 Music Literature .......................................................... 2
- MUST 111 Elementary Theory: Sight Singing and Ear Training .... 1
- MUST 112 Elementary Theory: Sight Singing and Ear Training .... 1
- MUST 131 Elementary Theory I: Analysis and Keyboard .......... 3
- MUST 132 Elementary Theory II: Analysis and Keyboard ........ 3
- Applied (private) lessons, two semesters minor lessons recommended .............................................. 2
- Performance ensemble .............................................................. 2

**TOTAL** .......................................................... 16

No more than 2 hours of applied lessons and no more than 2 hours of performance ensemble may be applied to the minor.

Recital seminar, two semesters .................................................. 0

Choose 6 hours from: ........................................................................ 6

- MUSE 334, 335, 336, MUSM 331, 431, 432 or 439

**TOTAL** .......................................................... 22

Completion of MUSM 131 and 132 satisfies university requirement.
Political Science

Neal Coates, Chair
ACU Box 29143
Abilene, Texas 79699-9143
Hardin Administration Building, Room 220
Phone: 325-674-2095
Fax: 325-674-6962
Email: coatesn@acu.edu
Web: www.acu.edu/politicalscience

Faculty
Neal Coates, Professor
David Dillman, Professor
Mel Hailey, Professor
Kelly Knight, Instructor
Stuart Platt, Assistant Professor

Majors: Political Science (BA)
  Political Science (BS) with an emphasis in Criminal Justice
  Political Science with a Concentration in International
  Relations and Comparative Politics (BA)

Minors: Political Science
  Criminal Justice
  Peace & Social Justice Studies
  Public Service

The Department of Political Science offers the Bachelor of Arts degree in Political Science and the Bachelor of Science in Political Science with an emphasis in Criminal Justice. The Department of Political Science also offers the BA with a concentration in International Relations and Comparative Politics for political science majors desiring a focused study of world politics. A minor in Political Science or Criminal Justice may be added to other majors. The Department also offers a minor in Public Service, appropriate for students across campus, and also designed for those in the Jack Pope Fellows Program.

Introduction
The purpose of the Department of Political Science is to help students understand domestic and international politics and to prepare them for informed and active participation in the political arena and public service.

Opportunities for careers include:
- **Government Service:** Public service is a major emphasis of the department. ACU’s Public Service Internship Program gives outstanding students part-time, public-sector work experience along with their course work. Students are eligible for up to 6 credit hours in this program.
- **Law:** Political science is an excellent preparation for law school, and many recent graduates have gone on to successful careers in the various fields of law.
- **Criminal Justice:** The department offers a Bachelor of Science degree in Political Science with an emphasis in criminal justice. This degree is designed to provide an overview of the criminal justice system in the United States and the development and practical application of such concepts as deviant and criminal behavior, law, social control, civil liberties, and constitutionalism.
- **Media and Journalism:** Politics and media are intertwined, and students preparing for a career in broadcasting or journalism should be informed about politics and government.
- **Secondary Teaching:** The department of History and Global Studies, in cooperation with the Department of Political Science and the Department of Teacher Education, offers a Bachelor of Science (BS) degree with a teaching specialization in secondary studies.
- **College Teaching:** The department gives a broad exposure to politics and government, which is excellent preparation for graduate study and teaching at the community college, senior college, or university level.

Study Abroad Expectations
All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year.

Bachelor of Arts (BA)

Admission Requirements
Before being admitted to the Bachelor of Arts in Political Science program, a student must satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19).

**POLITICAL SCIENCE (BA)**

<table>
<thead>
<tr>
<th>BA: POLITICAL SCIENCE DEGREE PLAN (POLS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIVERSITY REQUIREMENTS</td>
</tr>
<tr>
<td>Please see the University Requirements section of this catalog (page 37).</td>
</tr>
</tbody>
</table>

**MAJOR REQUIREMENTS**

- **Non-Advanced Course Work**
  - POLS 225 National Government ....................................... (3)^
  - POLS 226 States and Federal System or
  - POLS 227 Introduction to International Relations ................. 3

- **Advanced Course Selections**
  - American (choose 2 courses): ........................................ 6
  - POLS 341 American Public Policy
  - POLS 381 American Political Process
  - POLS 382 American Presidency
  - POLS 383 Congress and Legislative Process
  - POLS 385 American Foreign Policy

- **Public Administration** (choose 1 course): .......................... 3
  - POLS 395 Public Administration (recommended)
  - POLS 494 Public Administration Management
  - POLS 497 Topics in Public Administration

- **International Relations** (choose 1 course): ........................ 3
  - POLS 481 International Relations Theory
  - POLS 484 International Law and Organization
  - POLS 485 International Political Economy
  - POLS 487 Terrorism Studies
  - POLS 488 Topics in International Politics
  - POLS 489 International Relations and Christianity

- **Comparative Politics** (choose 1 course): ............................ 3
  - POLS 344 Comparative Politics
  - POLS 345 Comparative Public Policy
  - POLS 357 West European Politics
  - POLS 358 CIS and East European Politics
  - POLS 360 Politics of Developing Countries
  - POLS 361 Politics of the Middle East

- **Political Theory** (choose 2 courses): ................................ 6
  - POLS 393 Peace, Power, and Politics
  - POLS 490 Early Political Theory
  - POLS 491 Recent Political Theory
  - POLS 492 American Political Thought (writing-intensive course)
  - POLS 493 Topics in Contemporary Political Thought (writing intensive course)

- **Public Law** (choose 1 course): ...................................... 3
  - POLS 384 American Judicial Process
  - POLS 431 Constitutional Law: Powers
  - POLS 432 Constitutional Law: Civil Rights
  - POLS 492 American Political Thought (writing-intensive course)
  - POLS 493 Topics in Contemporary Political Thought (writing intensive course)

**Research Methods**
- POLS 315 Research Methods or
  - SOCI 415 Social Research (capstone and writing-intensive course) .................................................... 3-4
Concentration in International Relations and Comparative Politics

The Department of Political Science also offers the BA with a concentration in international relations and comparative politics for political science majors desiring a focused study of world politics.

### BA: POLITICAL SCIENCE (CONCENTRATION IN INTERNATIONAL RELATIONS AND COMPARATIVE POLITICS) DEGREE PLAN (POLS) (IRCP)

#### UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

#### MAJOR REQUIREMENTS

**Non-Advanced Course Work**
- POLS 225 National Government .............................................. (3)
- POLS 227 Intro to International Relations ................................. 3

**Advanced Course Selections**
- American (choose 1 course): .................................................. 3
  - POLS 341 American Public Policy
  - POLS 381 American Political Process
  - POLS 382 American Presidency
  - POLS 383 Congress and Legislative Process
  - POLS 385 American Foreign Policy

**Public Administration**
- POLS 395 Public Administration ............................................. 3

**International Relations**
- POLS 481 International Relations Theory ................................ 3
  Choose 2 courses: .................................................................... 6
  - POLS 484 International Law and Organization
  - POLS 485 International Political Economy
  - POLS 487 Terrorism Studies
  - POLS 488 Topics in International Politics
  - POLS 489 International Relations and Christianity

**Comparative Politics**
- POLS 344 Comparative Politics .............................................. 3
  Choose 2 courses: .................................................................... 6
  - POLS 345 Comparative Public Policy
  - POLS 357 West European Politics
  - POLS 358 CIS and East European Politics
  - POLS 360 Politics of Developing Countries

**POLITICAL THEORY (choose 1 course):** ................................ 3
- POLS 393 Peace, Power, and Politics
- POLS 490 Early Political Theory
- POLS 491 Recent Political Theory
- POLS 492 American Political Thought (writing-intensive course)
- POLS 493 Topics in Contemporary Political Thought (writing-intensive course)

**Public Law (choose 1 course):** ............................................. 3
- POLS 384 American Judicial Process
- POLS 431 Constitutional Law: Powers
- POLS 432 Constitutional Law: Civil Rights

**Research Methods**
- POLS 315 Research Methods or SOCI 415 Social Research (capstone and writing intensive course) ....................... 3-4

**ACU Study Abroad Program Participation**
- POLS 499 Public Service Internship (capstone course) .......... 3

**TOTAL** .......................... 128

**ELECTIVES**

Courses numbered 0** do not count in minimum hours required for degree.

- 1Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

**SUPPLEMENT FOR MAJOR**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>POLS 499 Public Service Internship (capstone course)</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
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</table>

**OTHER GRADUATION REQUIREMENTS**

- Minimum grade for each course in major ....................... C
- Minimum GPA in major ................................................. 2.25
- Minimum GPA for graduation ....................................... 2.00
- Minimum advanced hours ............................................. 33
- Minimum total hours ..................................................... 128

**SUPPLEMENT FOR MAJOR**

<table>
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<tr>
<th>Course</th>
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<tr>
<td>POLS 361 Politics of the Middle East</td>
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<td>TOTAL</td>
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</table>
Minor in Political Science

The minor in political science requires 18 hours, of which 12 must be advanced.

**MINOR: POLITICAL SCIENCE (POLS)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Choose 6 hours from: POLS 100-299</td>
<td>6</td>
</tr>
<tr>
<td>Choose 12 hours from: POLS 300-499</td>
<td>12</td>
</tr>
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<td>TOTAL</td>
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</table>

Minor in Criminal Justice

**MINOR: CRIMINAL JUSTICE (POLC)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>POLC 205 Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>POLC 355 Social Deviance</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 388 Crime and Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>POLC 410 Law and Inequality</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 415 Social Research (capstone and writing-intensive course)</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 442 Cultural Diversity</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td>18</td>
</tr>
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</table>

**Peace and Social Justice Studies**

David Dillman, Advisor
ACU Box 29143
Abilene, Texas 79699-9143
Hardin Administration Building, Room 220
Phone: 325-674-2095
Fax: 325-674-6962
Email: dillmand@acu.edu

**Introduction**

The Peace and Social Justice minor is an eighteen credit hour, liberal arts, interdisciplinary program available to all students as a complement to any major. It focuses on the question of how humans resolve conflicts and how disputes can give way to peace and justice rather than ruin. Because conflict may be international, within a given society, or personal, peace and social justice studies necessarily draw upon a wide variety of disciplines, including philosophy, political science, history, psychology, theology, economics, sociology, and literature.

This minor is unique in three ways. First, its focus is on peace and social justice, and it integrates these topics from among several disciplines. Second, it is grounded in a Christian worldview and is, in part, inspired by the particular history of Churches of Christ. Finally, it is scholarly, but not disinterested. It freely admits that peace is better than war, as those studying medicine favor health over disease. Its bias is that peace is not just the absence of war, but must include values and structures that support human flourishing. In other words, this minor urges not only deep thought but also thoughtful action.

Within this minor, philosophers and theologians will ask about the nature of human beings and the meaning of justice and prod us to think about how religion has been a barrier to as well as a motive for peace. Historians and sociologists will point to the causes of war and injustice and help us understand their short- and long-term effects.

Psychologists will deepen our understanding of human behavior and give us tools for more peaceful relationships, while political scientists and economists will ask us to think about differing notions of power and will advance our understanding of international sources of conflict and their structural or organizational solutions.

The study of peace is both idealistic and practical, and this minor is designed to address both dimensions. If we cannot figure out a way to live peacefully in our daily relationships or in our international politics, we are doomed to continued conflict in our homes, workplaces, and world. As philosopher Hannah Arendt has said, "Violence, like all action, changes the world, but the most probable change is to a more violent world." Thus, having understanding and skills to take an active role in peacemaking is utterly practical. At the same time, a dose of idealism is what motivates peace and social justice action. To quote sociologist Elise Boulding, "We cannot achieve what we cannot imagine."

**Mission of the Program**

The mission of Peace and Social Justice Studies is to motivate and prepare students to be active peacemakers in their homes, churches, workplaces, local communities, nations, and world.

Students who complete the Peace and Social Justice Studies minor will be exposed to ways of thinking, skills, and experiences which will motivate and enable them to contribute to the resolution of conflict so that these conflicts result in justice and creative development rather than violence, and be prepared to engage in graduate-level peace and social justice studies.

**Peace and Social Justice Minor**

**MINOR: PEACE AND SOCIAL JUSTICE STUDIES (PSJS)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundations</td>
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<tr>
<td>PHIL 486 Ethics</td>
<td>3</td>
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<tr>
<td>Context</td>
<td>3</td>
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<td>Choose 3 hours from:</td>
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<tr>
<td>HIST 455 Social and Ethnic History in U.S.</td>
<td></td>
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<tr>
<td>POLS 493 Religion and Politics</td>
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<tr>
<td>SOCI 480 Inequality and Social Justice</td>
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<tr>
<td>Philosophy</td>
<td>3</td>
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<td>Choose 6 hours from:</td>
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<tr>
<td>PHIL 451 Philosophy and Social Justice</td>
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<tr>
<td>POLS 393 Peace, Power, and Politics</td>
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</tr>
<tr>
<td>POLS 489 International Relations and Christianity</td>
<td>3</td>
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<td>Application</td>
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<tr>
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<td>ECON 438 International Poverty and Development</td>
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<td>ENGL 328 Social Justice: A Rhetoric</td>
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<td>PSYC 305 Peacemaking</td>
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<tr>
<td>Capstone</td>
<td>3</td>
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<tr>
<td>PSJS 499 Peace and Social Justice (capstone course)</td>
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</tr>
<tr>
<td>TOTAL</td>
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</tbody>
</table>

**Public Service (Pope Fellows Only)**

David Dillman, Director
ACU Box 29143
Abilene, Texas  79699-9143
Hardin Administration Building, Room 220
Phone: 325-674-2095  Fax: 325-674-6962
Email: dillmand@acu.edu

Abilene Christian University recognizes Judge Jack Pope’s considerable contributions to his state and nation in his career as a public servant. In honor of his accomplishments and service, the Board
of Trustees of ACU established the Jack Pope Fellows Program. The Jack Pope Fellows Program offers fellowships to outstanding Abilene Christian University students pursuing careers in public service. Acceptance into the Program requires students to complete an interdisciplinary 24 hour Minor in Public Service, which is administered by the Department of Political Science (see Admission/Course Requirements below).

The Program gives students opportunities to learn about public service in the classroom, attend special lectures, gain practical experience in public service, and participate in service activities. The Jack Pope Fellows Program is interdisciplinary and applicants are drawn from all majors and fields of study offered at Abilene Christian University. Pope Fellowships are intended for those who will shape the culture and provide a Christian influence in an area of public service. Public service is broadly defined as careers at all levels and in all functions of government as well as related public service sectors. Public service, in all its many forms, is a noble calling. It is so important that we must not leave it to chance. We should, instead, actively search for and recruit young men and women who have good minds and character. We must then provide them the training they can use to solve the complex problems of our times. If we fail to do this, we will leave important civic matters to untrained, indifferent or unprincipled people. We must begin now.

- Judge Jack Pope

Admission Requirements
To be selected for a Jack Pope Fellowship, a student must:

1. Be a full-time student at Abilene Christian University at the time of selection to the program.
2. Be a junior pursuing a bachelor’s degree during the 2015-2016 academic year. A student will meet the definition of “junior” if one has completed more than half the second year of college but not more than half the third year of college by the beginning of the 2015-2016 academic year.
3. Currently have (and subsequently maintain) a grade point average of at least 3.25.
4. Submit an application portfolio demonstrating a genuine commitment toward pursuing a public service career.
5. Interview with the Jack Pope Fellows Steering Committee.

Public Service Minor

<table>
<thead>
<tr>
<th>MINOR: PUBLIC SERVICE (POPE FELLOWS ONLY) (PUBS)</th>
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<tbody>
<tr>
<td><strong>Required Courses</strong></td>
</tr>
<tr>
<td>BIBP 486 Ethics (may fulfill advanced Bible credit) .......... 3</td>
</tr>
<tr>
<td>POLS 225 National Government  ........................ 3</td>
</tr>
<tr>
<td><strong>Pope Connecting Courses</strong></td>
</tr>
<tr>
<td>POLS 400 (senior project from major)............... 3</td>
</tr>
<tr>
<td>POLS 420 Public Service Seminar  .................. 3</td>
</tr>
<tr>
<td><strong>Pope Program Core</strong></td>
</tr>
<tr>
<td>POLS 314 American Public Policy or POLS 381 American</td>
</tr>
<tr>
<td>Political Process or POLS 395 Public Administration ........ 3</td>
</tr>
<tr>
<td>ECON 260 Macroeconomics or ECON 261 Microeconomics  ...(3)</td>
</tr>
<tr>
<td><strong>Supplementary Courses</strong></td>
</tr>
<tr>
<td>IS 322 Business Statistics, or POLS 315 Political Science</td>
</tr>
<tr>
<td>Research Methods, or PSYC 311 Elementary Statistics, or SOCI</td>
</tr>
<tr>
<td>415 Social Research (capstone and writing-intensive course) or</td>
</tr>
<tr>
<td>SOCI 416 Social Statistics  ............................ 3-4</td>
</tr>
<tr>
<td>HIST 479 Latin America: Modern Era, or</td>
</tr>
<tr>
<td>HIST 490 Mexico: Growth and Culture or</td>
</tr>
<tr>
<td>HIST 300-499 (with approval of director) ............. 3</td>
</tr>
<tr>
<td><strong>TOTAL</strong> .................................................. 18-19</td>
</tr>
</tbody>
</table>

1 Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

Course Descriptions
Please see the Course Descriptions section of this catalog (page 165). Courses offered by the Department of Political Science include those with the following designation: POLC, POLS, PSJS, and SOCI.
Spring semesters. No more than 12 hours per semester – 6 undergraduate and 6 graduate hours – is recommended. Graduate courses will count as general electives or electives in the psychology major and may not be substituted for required courses in the psychology major. Individual students’ academic programs must be approved by the Director of Graduate Studies of the department each semester a student participates in the APPDP.

Study Abroad Expectations
All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year.

Bachelor of Science Degree (BS)

Admission Requirements
Before being admitted to a program, a student must satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19).

PSYCHOLOGY (BS)

<table>
<thead>
<tr>
<th>UNIVERSITY REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Please see the University Requirements section of this catalog (page 37).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAJOR REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Psychology</strong></td>
</tr>
<tr>
<td>PSYC 120 Introduction to Psychology ........................................ 3</td>
</tr>
<tr>
<td>PSYC 232 Developmental Psychology ........................................... 3</td>
</tr>
<tr>
<td>PSYC 233 Physiological Psychology ......................................... 3</td>
</tr>
<tr>
<td>PSYC 241 Cognition and Learning ............................................. 3</td>
</tr>
<tr>
<td>PSYC 321 Experimental Psychology .......................................... 4</td>
</tr>
<tr>
<td>PSYC 368 Psychological Tests and Measurement ......................... 3</td>
</tr>
<tr>
<td>PSYC 370 Social Psychology .................................................. 3</td>
</tr>
<tr>
<td>PSYC 382 Abnormal Psychology ............................................... 3</td>
</tr>
<tr>
<td>PSYC 423 Community Psychology ............................................. 3</td>
</tr>
<tr>
<td>PSYC 481 Statistics in Psychological Research .......................... 3</td>
</tr>
<tr>
<td>PSYC 485 Introduction to Counseling (capstone course) .............. 4</td>
</tr>
<tr>
<td>PSYC 493 History of Theories in Psychology (writing-intensive course) ........................................ 3</td>
</tr>
<tr>
<td>Psychology selections (PSYC 201, 278, 301, 305, 311, 342, 372, 373, 374, 376, 388, 392, 401, 471, 487 or 499) ..................... 21</td>
</tr>
</tbody>
</table>

| **Science** |
| BIOL 111 Biology: Human Perspective ........................................ (3) |

| TOTAL .................................................. 53 |

1 Hours in parentheses may also fulfill university requirements and are not included in total major hours

<table>
<thead>
<tr>
<th>ELECTIVES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum ................................................................. 19</td>
</tr>
</tbody>
</table>

| TOTAL MAJOR HOURS ........................................... 72 |

<table>
<thead>
<tr>
<th>OTHER GRADUATION REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum GPA in major .................... 2.00</td>
</tr>
<tr>
<td>Minimum GPA for graduation .............. 2.00</td>
</tr>
<tr>
<td>Minimum advanced hours ................. 33</td>
</tr>
<tr>
<td>Minimum total hours ..................... 128</td>
</tr>
</tbody>
</table>

*Courses numbered 0** do not count in minimum hours required for degree.*

Professional Career Track
The Department of Psychology offers to highly-capable and motivated students the opportunity to participate in the Professional Career Track. The Professional Career Track includes intensive professional mentoring, special summer opportunities in psychological research, and a cross-cultural, international learning experience.

Minors in Psychology

**MINOR: PSYCHOLOGY**

<table>
<thead>
<tr>
<th>General (PSGE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 120 Introduction to Psychology ........................................ 3</td>
</tr>
<tr>
<td>PSYC 382 Abnormal Psychology or PSYC 493 History of Theories in Psychology (writing-intensive course) ........................................ 3</td>
</tr>
<tr>
<td>Choose 6 hours from: PSYC 100-499 ........................................... 6</td>
</tr>
<tr>
<td>Choose 6 hours from: PSYC 300-499 ........................................... 6</td>
</tr>
</tbody>
</table>

| TOTAL .................................................. 18 |

<table>
<thead>
<tr>
<th>Child Emphasis (PSCH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 120 Introduction to Psychology ........................................ 3</td>
</tr>
<tr>
<td>PSYC 232 Developmental Psychology ........................................... 3</td>
</tr>
<tr>
<td>PSYC 382 Abnormal Psychology ............................................... 3</td>
</tr>
<tr>
<td>PSYC 385 Teams and Team Leadership ...................................... 3</td>
</tr>
<tr>
<td>PSYC 485 Introduction to Counseling ....................................... 4</td>
</tr>
<tr>
<td>PSYC 493 History of Theories in Psychology (writing-intensive course) ........................................ 3</td>
</tr>
</tbody>
</table>

| TOTAL .................................................. 18 |

<table>
<thead>
<tr>
<th>Counseling Related (PSCO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 120 Introduction to Psychology ........................................ 3</td>
</tr>
<tr>
<td>PSYC 232 Developmental Psychology ........................................... 3</td>
</tr>
<tr>
<td>PSYC 382 Abnormal Psychology ............................................... 3</td>
</tr>
<tr>
<td>PSYC 485 Introduction to Counseling ....................................... 4</td>
</tr>
<tr>
<td>PSYC 493 History of Theories in Psychology (writing-intensive course) ........................................ 3</td>
</tr>
</tbody>
</table>

| TOTAL .................................................. 19 |

<table>
<thead>
<tr>
<th>Research Oriented (PSRE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 120 Introduction to Psychology ........................................ 3</td>
</tr>
<tr>
<td>PSYC 232 Developmental Psychology ........................................... 3</td>
</tr>
<tr>
<td>PSYC 382 Abnormal Psychology ............................................... 3</td>
</tr>
<tr>
<td>PSYC 385 Teams and Team Leadership ...................................... 3</td>
</tr>
<tr>
<td>PSYC 485 Introduction to Counseling ....................................... 4</td>
</tr>
<tr>
<td>PSYC 493 History of Theories in Psychology (writing-intensive course) ........................................ 3</td>
</tr>
</tbody>
</table>

| TOTAL .................................................. 22 |

Course Descriptions
Please see the Course Descriptions section of this catalog (page 165). Courses offered by the Department of Psychology include those with the following designation: PSYC.
Theatre

Dawne Meeks, Chair
Adam Hester, Assistant Chair

ACU Box 27843
Abilene, Texas 79699-7843
Williams Performing Arts Center, Room 124
Phone: 325-674-4892
Fax: 325-674-6887
Email: theatre@acu.edu
Web: www.acu.edu/theatre

Faculty
Sandy Freeman, Associate Professor
Kari Hatfield, Associate Professor
Adam Hester, Professor
Dawne Meeks, Associate Professor
Gary Varner, Professor

Majors: Theatre (BFA)
Minor: Theatre

The Department of Theatre offers six tracks within the Bachelor of Fine Arts: Acting, Directing, Musical Theatre, Design/Technical, Theatre Ministry, and Educational Theatre. The department works with the Department of Teacher Education to offer teacher certification within the theatre education track. A minor in theatre may be added to other majors.

Acceptance into Department

The Department of Theatre accepts up to 12 freshmen each year through an interview process. Students interested in the design/technical track will present a portfolio in lieu of auditioning. Students interested in one of the other five tracks will audition. Students pursuing tracks in directing, education, or ministry will also present a portfolio. Transfers and current students wishing to change to a Theatre major must go through this same process and will be accepted only as space allows. A three-year commitment is required for students transferring into the program. The department has capped the number of majors in the program to increase opportunity and training. The first year is considered a probationary year. Students are evaluated at the end of the year and must complete barriers to continue in the major. See the theatre website to register for an audition/interview.

Introduction

The Bachelor of Fine Arts (BFA) is a studio-intensive course of study designed for students with a strong commitment to a professional career in performance, directing, design, teaching, or theatre ministry. Those who are admitted to the major are expected to exhibit a high level of competence and motivation.

This ACU program is highly competitive with larger universities because it offers its students greater opportunities resulting in an impressive résumé upon graduation. Theatre students compete well in unified auditions for graduate schools and professional theatres. The curriculum is geared for a well-rounded theatre education with hands-on experience in all phases of backstage work, multiple performance opportunities, small classes, and one-on-one mentoring faculty. The department brings in agents from New York, Los Angeles, and other major cities to view the senior showcase each year. Students in performance or design tracks are encouraged to spend their final semester studying with industry and Broadway professionals at the Tepper Semester in NYC. In addition, casting agents and directors from regional theatres hold workshops in various techniques and audition ACU Theatre students throughout the year.

The ACU Theatre makes use of several performance spaces. The Williams Performing Arts Center (WPAC) has two performance areas: the Fulks Theatre, a 320-seat thrust theatre, and the Culp Theatre, an intimate multi-form space. Large-scale musicals are presented in the 2100-seat Abilene Civic Center. The Abilene Shakespeare Festival is produced each summer through the Department of Theatre.

Study Abroad Expectations

All students are encouraged to participate in ACU’s Study Abroad Program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year. The department is supportive of ACU’s Study Abroad experience, LA Film Studies semester, and the Tepper Semester in NYC.

Admission Requirements

Before being admitted to this program, a student must satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19) and complete an audition and interview and be selected.

---

**BFA: THEATRE DEGREE PLAN (THEA)**

**UNIVERSITY REQUIREMENTS**

Please see the University Requirements section of this catalog (page 37).

**MAJOR REQUIREMENTS**

**Theatre Core**

THEA 101 Transforming Artists: An Orientation to the Theatre Major .................................................. 1
THEA 137 Theatre Workshop: Technical (7 units) ......................... 7
THEA 220 Introduction to Theatre .............................................(3)
THEA 226 Acting I ................................................................. 3
THEA 227 Introduction to Technical Theatre .............................. 3
THEA 230 Fashion as Cultural Reflection .................................. 3
THEA 454 Beginning Directing ............................................... 3
THEA 469 Stage Makeup .......................................................... 3
THEA 480 Arts and Culture: A Christian Aesthetic (capstone course) .................................................. 3
THEA 490 History of Theatre (writing-intensive course) .............. 3

**TOTAL ................................................................. 29**

*Hours in parentheses may also fulfill university requirements and are not included in total major hours*

**TRACK REQUIREMENTS**

**Acting (THAC)**

THEA 320 Voice and Diction for the Stage .................................. 3
THEA 321 Movement for the Stage ......................................... 3
THEA 325 Acting II .............................................................. 3
THEA 327 Acting III: Improvisation ....................................... 3
THEA 350 Acting IV: Period Styles ......................................... 3
THEA 353 Acting V: Stanislavski/Method Acting ......................... 3
THEA 455 Acting VI: Shakespeare ......................................... 3
THEA 456 Acting VII: Auditioning .......................................... 3
Voice: MPVN 211/411 or THEA 205/206/211/411 .................. 2

**TOTAL ................................................................. 26**

**Design/Technical (THDT)**

THEA 330 Theatre Management ............................................. 3
THEA 332 Costume Design ................................................... 3
THEA 466 Scene Design ....................................................... 3
THEA 467 Theatre Lighting .................................................... 3
Art History (221, 222, 323, 324) .......................................... 3
Choose 9 hours from: ART, DSGN, THEA 331, or spec. topic/guided study THEA ................................................. 9

**TOTAL ................................................................. 24**

**Directing (THDI)**

THEA 320 Voice and Diction for the Stage .................................. 3
THEA 321 Movement for the Stage ......................................... 3
THEA 325 Acting II .............................................................. 3
THEA 330 Theatre Management ............................................. 3
THEA 353 Acting V: Stanislavski/Method Acting ......................... 3
THEA 457 Playwriting ......................................................... 3
THEA 460 Musical Theatre Directing Workshop ....................... 3
THEA 467 Theatre Lighting .................................................. 3
THEA 470 Advanced Directing .............................................. 3
TOTAL ................................................................. 27

Musical Theatre (THMT)
THEA 221, 222, 223, 224, 421, 422, 423, 424, 425 Dance
(Choose 6, two may be used for PEAC credit and two may
be used for General Education elective) ......................... 2/(4)1
THEA 320 Voice and Diction for the Stage ......................... 3
THEA 321 Movement for the Stage ..................................... 3
THEA 325 Acting II ......................................................... 3
THEA 327 Acting III: Improvisation .................................. 3
THEA 350 Acting IV: Period Styles or
THEA 455 Acting VI: Shakespeare .................................... 3
THEA 353 Acting V: Stanislavski/Method Acting ............... 3
THEA 360 Musical Theatre Directing Workshop ................. 3
THEA 456 Acting VII: Auditioning .................................... 3
MUST 111 Elementary Theory: Sight Singing and Ear Training ... 1
MUST 120 Music Fundamentals ........................................ 2
Voice: MPVN 211/411 or THEA 205/206/211/411 ............. 4

TOTAL .......................... 33

Theatre Ministry (THMN)
THEA 320 Voice and Diction for the Stage ......................... 3
THEA 325 Acting II ......................................................... 3
THEA 327 Acting III: Improvisation .................................. 3
THEA 330 Theatre Management ....................................... 3
THEA 457 Playwriting ......................................................... 3
THEA 461 Children’s Theatre ........................................... 3
THEA 467 Theatre Lighting .................................................. 3
THEA 470 Advanced Directing ............................................ 3
Choose 6 hours of Philosophy or advanced Bible courses .... 6

TOTAL ................................................................. 30

Theatre for Teacher Certification (THED)
THEA 320 Voice and Diction for the Stage ......................... 3
THEA 325 Acting II ......................................................... 3
THEA 327 Acting III: Improvisation .................................. 3
THEA 461 Children’s Theatre ........................................... 3
THEA 463 Educational Theatre .......................................... 3
THEA 467 Theatre Lighting .................................................. 3
THEA 460 Musical Theatre Directing Workshop or
THEA 470 Advanced Directing ........................................... 3

PROFESSIONAL EDUCATION REQUIREMENTS
EDUC 211 Educational Foundations and Multicultural
Perspectives (also satisfies Cultural Awareness/Foreign
Language requirements) .................................................. (3)1
EDUC 221 Educational Psychology (also satisfies the Social
Science requirement) ......................................................... (3)1
EDUC 412/432 Secondary Curriculum and Media/Secondary
Management and Methods (capstone courses) or EDUC
411/431 Elementary Curriculum and Media & Elementary
Management and Methods (capstone courses) ................. 6
EDUC 476 Effective Teaching Strategies for English Language
Learners ...........................................................(3)1
EDUC 490 Student Teaching (capstone course) ................... 6
SPED 371 Teaching Students with Special Needs
(writing-intensive course) ................................................. 3

TOTAL ................................................................. 36

1Hours (in parentheses) may also fulfill university requirements
and are not included in total major hours

ELECTIVES

Areas of Emphasis
Acting ................................................................. 17
Design/Technical ....................................................... 19
Directing .............................................................. 16
Musical Theatre ....................................................... 10
Teacher Certification .................................................. 7
Theatre Ministry ....................................................... 13

TOTAL MAJOR HOURS ........................................... 72

CRITERIA FOR ADMISSION TO TEACHER EDUCATION
In accordance with Texas state law, students must meet the admission criteria
described on page 115.

OTHER GRADUATION REQUIREMENTS
Minimum GPA in major (all THEA courses are included) ........ 2.50
Minimum GPA for graduation ........................................... 2.50
Minimum GPA in major in Education Theatre Track ........... 2.75
Minimum GPA for Education Theatre Track ....................... 2.75
Minimum advanced hours .............................................. ≥33
Minimum total hours .................................................... ≥128

Courses numbered 0** do not count in
minimum hours required for degree.

Minor in Theatre
There is no audition barrier to declare a minor in theatre. Our
performance classes are limited in size; preference for enrollment is
given to majors first. However, non-performance classes provide many
opportunities for courses in theatre for theatre minors and non-majors.
Non-performance classes include (among others): playwriting, lighting,
costume design, set design, theatre history. Theatre Practicum (THEA
137) is available every semester and may be repeated. If you are
interested in a theatre minor, please contact us for more information.

MINOR: THEATRE (THEA)
THEA 137 Theatre Workshop: Technical (3 units) ............... 3
THEA 220 Introduction to Theatre .................................... 3
THEA 226 Acting I or
THEA 227 Introduction to Technical Theatre .................... 3
Choose 9 hours from: THEA 300-499 ......................... 9

TOTAL ................................................................. 18

Course Descriptions
Please see the Course Descriptions section of this catalog (page 165).
Courses offered by the Department of Theatre include those with the
following designation: THEA.
College of Biblical Studies

Ken Cukrowski, Dean
Christopher Hutson, Associate Dean
ACU Box 29400
Abilene, Texas 79699-9400
Biblical Studies Building, Room 202
Phone: 325-674-3700
Fax: 325-674-3776
Email: cukrowskik@acu.edu or crhutson@acu.edu
Web: www.acu.edu/academics/cbs

The College of Biblical Studies offers nationally-recognized graduate programs in the Graduate School of Theology and in Marriage and Family Therapy, including several master’s degrees, the Doctor of Ministry, and certificate programs. The faculty make a significant contribution to the academic and spiritual growth and development of the students. See the Graduate School and the Graduate School of Theology sections of this catalog for more information (pages 128 & 159).

Preacher Training School Applicants

The Department of Bible, Missions and Ministry assists graduates from schools of preaching and Bible training schools to complete the requirements toward a bachelor’s degree in Christian ministry at ACU.

Although it is not possible within the university’s academic structure to accept courses transferred from schools not accredited by the regional college and university accrediting agencies, ACU’s College of Biblical Studies has a plan to help prospective students make this transition in a manner that satisfies accrediting agency requirements.

The school from which the student graduates must be approved by the dean and Academic Council of the College of Biblical Studies, who will verify that it has met certain sound academic standards. Approved schools must conduct an academic program covering at least two years of full-time study under faculty with proper academic credentials. There is no guarantee that a student will receive any transfer credit from a school of preaching or Bible school. It is highly recommended that a student applying for transfer credit submit to the Associate Dean of the College of Biblical Studies copies of course syllabi for all proposed transfer courses. A course syllabus should show the learning objectives of the course, the lecture contents, and all required reading, writing and other assignments, along with the date when the course was completed and the name of the instructor.

The student applying for entrance to ACU from such an approved school of preaching or Bible training school will be placed on probation for one semester as a full time student. During the probationary semester the student must achieve a GPA of 2.50 or above. The student who achieves the required GPA may then be awarded up to 45 hours of college credit for his or her work at a school of preaching or Bible training school.

The possible 45 hours awarded to the student are as follows:

1. Lower level Bible – up to a maximum of 12 hours
2. Advanced Bible – up to a maximum of 33 hours

The student receiving credit from a school of preaching or Bible school is subject to the degree requirements listed in the General Requirements for Bachelor’s Degrees of this catalog as well as the requirements for the chosen major.

College of Biblical Studies Requirements

Four-year graduates of the university from all the departments must take five courses in Bible (15 hours), including at least three courses (9 hours) in study of the text itself. Bible hours required of transfer students in the university requirements can be found in the Transfer Information section of this catalog (page 16).

The following policies apply to all students working toward a Bible, Missions or Ministry degree:

1. Admission Requirements. Before being admitted to a program, a student must satisfy the requirements listed in the University Admission section of this catalog.
2. Transfer Credit. To receive credit for transfer work, see the requirements listed in the Transfer Information section of this catalog.
3. Grades. A student must have a grade of “C” or better in each lower-level Bible/Missions course (BIBL 101, 102, and 211), an overall GPA of at least 2.25, and a GPA in upper-level Bible/Missions courses of at least 2.50.
4. Graduation Requirements. A summer internship and a battery of psychological tests.
5. Electives. Courses numbered 0** do not count as electives or toward graduation. Electives may include deficiency requirements in science.

Department of Bible, Missions and Ministry

The Department of Bible, Missions and Ministry provides instruction and knowledge of the Bible and related studies to help students become intellectually and practically grounded in the Christian faith. It also provides an environment in which the student’s faith can be a personal experience to be lived and shared.

Specifically, the Department of Bible, Missions and Ministry seeks:

- To deepen faith in God, Christ, and the Holy Spirit;
- To specially prepare students to evangelize in our complex, changing world;
- To instill in every student a deep commitment to the Bible as the inspired Word of God, and to the church of our Lord;
- To furnish basic training for sound biblical interpretation;
- To inspire students to develop a life-long practice of Bible study;
- To convey an understanding of the history of Christianity and its contemporary expressions;
- To explore the nature of religion and the contemporary world and to understand how Christianity relates to them;
- To teach students to think deeply and to formulate for themselves an integrated and well-grounded Christian world view with clearly defined goals, purposes and assumptions;
- To enhance students’ lifelong process of being formed into the image of Christ.

Most of the faculty have at one time served in the local ministry or the foreign missions of a church. Several serve as elders, deacons, and ministers of local congregations. Many have published books and articles, served as editors of professional journals, and been involved in many other types of publishing. Some are internationally known in scholarly circles, having read papers or conducted workshops at professional meetings.

Graduate Programs

The College of Biblical Studies offers nationally-recognized graduate programs in the Graduate School of Theology and in Marriage and Family Therapy, including several master’s degrees, the Doctor of Ministry, and certificate programs. The faculty make a significant contribution to the academic and spiritual growth and development of
Bible, Missions and Ministry

Rodney Ashlock, Chair
ACU Box 29411
Abilene, Texas 79699-9411
Biblical Studies Building, Room 215
Phone: 325-674-3740
Fax: 325-674-6852
Email: ashlockr@acu.edu
Web: www.acu.edu/cbs.html

Faculty
Rodney Ashlock, Assistant Professor
Clifford Barbarick, Assistant Professor
Kilnam Cha, Assistant Professor
Randall Harris, Instructor
Houston Heflin, Assistant Professor
Christopher Hutson, Associate Professor
David Kneip, Assistant Professor
Victor McCracken, Assistant Professor
Marcia Moore, Part-time Instructor
Curt Niccum, Professor
Robert Oglesby, Instructor
Glenn Pemberton, Professor
Jeanene Reese, Associate Professor
Jerry Taylor, Associate Professor
Trevor Thompson, Instructor
John Willis, Professor
Wendell Willis, Professor

Missions Coordinators
Gary Green, Latin America
Larry Henderson, Asia
P. Kent Smith, North America

Major: Bible & Ministry (BA)
  Ministry and Vocation (BA)

Minors: Bible, Missions and Ministry

Introduction
The Department of Bible, Missions and Ministry offers the Bachelor of Arts degree with majors in biblical text, Christian ministry, ministry to children and families, vocational missions, domestic and foreign missions, worship ministry, and youth and family ministry. In addition to these degrees, a minor in Bible, missions and ministry, and certificates in vocational ministry and missions are available.

Study Abroad Expectations
All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year.

Bachelor of Arts Degree (BA)

Acceptance into Department
The Department of Bible, Missions and Ministry welcomes all who desire to serve God. Some may serve in unofficial or vocational capacities. For those who decide to serve as full-time ministers and missionaries, we view that call as a high call, demanding high standards. We, therefore, require an admission process that usually takes place during the sophomore year. This process, described below, is intended to ensure congregations that ACU graduates are equipped for the demands of ministry.

Requirements for Acceptance
The criteria for admission to a program leading to a degree offered by the Department of Bible, Missions and Ministry are:

1. Junior standing (60 credit hours).
2. A grade of “C” or better in each lower-level Bible course (BIBL 101, 102, 221, and BGRK 221, and 222).
3. A cumulative GPA of at least 2.25.
4. Satisfactory completion of the Readiness for Ministry Testing, usually by the early spring of the sophomore year.
5. Enroll in BIBL 320 in the first semester after admission to candidacy; usually this will be the fall semester of the junior year. Note that this requirement presumes the successful completion of the first-year Greek.
6. Recommendations (2) from:
   - An elder or minister of your home congregation.
   - A professor at ACU from whom you have taken a course and who is not in the Department of Bible, Missions, and Ministry.
7. Personal statement included in application.
8. Submission and completion of the application packet.
9. Payment of $80 for psychological testing and interpretation of the results.
10. Approval by the admission committee.

For an application and further information about admission to the major, visit the Department of Bible, Missions, and Ministry.

Integrated Plans: BA Bible and Ministry (BBMN) and Master of Divinity (MDiv); BA Bible and Ministry (BBMN) and Master of Arts in Christian Ministry (MACM)

The Integrated Degree Plan (IDP) allows high-achieving majors in the Department of Bible, Missions, and Ministry (DBMM) to be provisionally admitted to the MDiv and MACM program, so that, during their senior year, they may begin taking some specified graduate courses that would also count toward their BA in Bible and Ministry major. IDP students can potentially save up to a year’s worth of tuition and living expenses and move sooner into full-time employment.

To be admitted into the program, an undergraduate student must:

1. be a BA Bible and Ministry major in good standing (includes assessment of maturity and fitness for ministry based on diagnostic tools administered in the sophomore year)
2. have earned at least 104 hours toward the BA degree by the end of the junior year
3. hold a cumulative 3.2 or higher GPA at the end of the junior year
4. have completed BGRK 332 with at least a “B”
5. apply for and be provisionally accepted to the MDiv or MACM program

A student who wishes to explore the IDP option should visit with the DBMM Chair and/or the DBMM Degree Plan Specialist in the spring of the Freshman year, to map out a course selection plan that will lead toward the IDP.

Revocation of Admission
The Department of Bible, Missions and Ministry reserves the right to revoke admission at any time, if a student’s cumulative GPA falls below 2.25, or if a student’s values or actions are not consistent with those of the university as defined in the Student Guide.

BIBLE & MINISTRY (BA)

<table>
<thead>
<tr>
<th>BA: BIBLE &amp; MINISTRY (BBMN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIVERSITY REQUIREMENTS</td>
</tr>
<tr>
<td>Please see the University Requirements section of this catalog (page 37).</td>
</tr>
<tr>
<td>MAJOR REQUIREMENTS</td>
</tr>
<tr>
<td>Bible (GenEd selection)</td>
</tr>
<tr>
<td>BIBM 439 Teaching and Learning for Spiritual Formation (writing)</td>
</tr>
<tr>
<td>Course</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td>BGRK 221</td>
</tr>
<tr>
<td>BGRK 222</td>
</tr>
<tr>
<td>BMIS 420</td>
</tr>
<tr>
<td>BIBL 320</td>
</tr>
<tr>
<td>BIBL 365, 451, 452, 453, 454, 458, 460, 461, BGRK 441, 442</td>
</tr>
<tr>
<td>BIBM 391</td>
</tr>
<tr>
<td>BIBM 330</td>
</tr>
<tr>
<td>BIBM 439</td>
</tr>
<tr>
<td>BIBM 491</td>
</tr>
<tr>
<td>BIBL 365, 451, 452, 453, 454, 458, 460, 461, BGRK 441, 442</td>
</tr>
<tr>
<td>BIBM 320</td>
</tr>
<tr>
<td>BIBM 330</td>
</tr>
<tr>
<td>BIBM 439</td>
</tr>
<tr>
<td>BIBM 491</td>
</tr>
</tbody>
</table>

**CONCENTRATIONS (choose 1)**

**Biblical Text (BIBL)**
- BIBL 365 General Epistles | 3
- BIBL 451 Pentateuch | 3
- BIBL 458 Synoptic Gospels | 3
- Choose 3 hours from: 452, 453, or 454 (non-duplicative) | 3

**Biblical Languages (BLAN)**
- BGRK 441 Exegetical Greek Seminar I | 3
- BGRK 442 Exegetical Greek Seminar II | 3
- BHEB 471 Introduction to Hebrew I | 3
- BHEB 472 Introduction to Hebrew II (non-duplicative) | 3

**Christian Ministry (BIBM)**
- BIBM 401 Church Leadership | 3
- BIBM 403 Christian Leadership | 3
- Choose 3 hours from: BIBM 405, 413, 422, 480 or 492 | 3
- Choose 3 hours from: BIBL 380 or 432 | 3

**Missions (BMIS)**
- BMIS 270 Living the Mission | 3
- BMIS 245 Understanding Culture for Global Service | 3
- BMIS 421 Missions as Spiritual Formation | 3
- BMIS 371 Religion in Global Contexts or BMIS 420 Gospel in a Multi-Cultural World (Note: Either BMIS 371 | 3
- or BMIS 420 is required for the major, but the Missions track requires both courses) | 3

**TOTAL**
- 33

**ELECTIVES**
- Minimum | 21

**OTHER GRADUATION REQUIREMENTS**
- Minimum GPA in upper-level Bible & Ministry courses | 2.50
- Minimum GPA for graduation | 2.25
- Minimum advanced hours | 33
BIBM 442 Leadership of Youth and Family.........................3

Concentration Electives
(9 hours of which must be upper-level in one discipline or related disciplines approved by the department)..........................21

TOTAL ..................................................33

ELECTIVES

Minimum (BMCF, BIVM) .................................................9
Minimum (BIBW) ..........................................................8
Minimum (BYFM) ..........................................................9

OTHER GRADUATION REQUIREMENTS

Minimum GPA in upper-level Vocation Ministry courses...........2.50
Minimum GPA for graduation ..............................................2.25
Minimum advanced hours....................................................33
Minimum total hours..........................................................128

Courses numbered 0** do not count in minimum hours required for degree.

Minor in Bible, Missions and Ministry

The Bible, Missions, and Ministry minor encourage students to take Bible and missions courses that will deepen their knowledge of the Scriptures and make them more valuable ministers or missionaries, better equipped to enrich the congregations in which they serve.

MINOR: BIBLE, MISSIONS AND MINISTRY (BIMM)

General Education

BIBL 101 Jesus: His Life and Teachings...............................3
BIBL 102 Early Christians: Life, Literature and Community ..........3
BIBL 211 Message of the Old Testament ..............................3
BCOR 310 The Search for Meaning .....................................3
Choose 1: BIBH, BIBL, BIBM, BIBP, BMIS (300-499)............3

Upper Level Selections

Choose 3 (300-499) courses in BIBT, BIBP,
BIBH, BIBL, BIBM, BMIS ..............................................9

TOTAL ............................................................24

Interdisciplinary Degree in Biblical Studies

A total of 41 hours are required for an interdisciplinary degree in biblical studies. The student must work with his or her advisor and the Department of Bible, Missions and Ministry advisor to determine the selection to be chosen.

1. General education, 15 hours: BIBL 101, 102, 211, BCOR 310,
   and 3 hours upper-level course.
   
2. Interdisciplinary, 27 hours:

   a. Specified, 18 hours: BGRK 221, 222, BIBL 320, 3 hours
      BIBP, BIBT, 3 hours BMIS, 3 hours BIBH;
   
   b. Upper level selection, 9 hours; from BIBH, BIBL, BIBP,
      BIBT, BIBM, or BMIS courses.

Missions Activities

Continental interest groups – African Mission Fellowship, Asian
Interest Group, European Interest Group, Latin American Missions
Partnerships and North American Interest Group inform students about
opportunities for missions in specific areas of the work, provide
encouragement and offer fellowship. Campaigns are organized and
conducted in both foreign and domestic contexts, providing students
with valuable experience in evangelism.

Mentoring groups – A strong feature of missions training is the
mentoring program. Inaugurated each fall at a mentoring retreat, each
person enrolled in a degree or certificate program is assigned to a
mentor for the school year. A minimum of one hour per week is spent
in prayer, self-assessment, encouragement and growth activities. Warm
association with fellow missions students is a strong feature of the
department.

Course Descriptions

Please see the Course Descriptions section of this catalog (page 165).
Courses offered by the Department of Bible, Missions and Ministry
include those with the following designations: BGRK, BHEB, BIBH,
BIBL, BIBM, BIBP, BIBT and BMIS.
Marriage & Family Studies

Dale Bertram, Chair
ACU Box, 29439
Abilene, Texas 79699-9439
Biblical Studies Building 270
Phone: 325-674-3778
Fax: 325-674-3749
Email: deb12a@acu.edu

Faculty
Dale Bertram, Professor
D. Greg Brooks, Assistant Professor
Kayla Mennenga, Assistant Professor
Heidi Morris, Adjunct Faculty
Steve Wages, Associate Professor

Major: Child and Family Services (BS)
Minor: Child and Family Services

The Department of Marriage and Family Studies offers the Bachelor of Science degree in Child and Family Services. A minor in Child and Family Services may be added to other majors.

The Department also offers the Master of Marriage and Family Therapy. See the Graduate School section of this catalog (page 128).

Introduction
The mission of the Department of Marriage and Family Studies is to equip students to strengthen family relationships and solve personal and relational problems through child and family services or therapeutic intervention (at the graduate level) while cultivating Christian leadership and character in each student.

The undergraduate program in Child and Family Services contributes to this mission through:

- Emphasizing the formation of healthy relationships and the promotion of optimal human development;
- Examining current research and theory regarding the normal issues with which individuals and families must contend as they grow and evolve;
- Creating opportunities for students to design, implement, and evaluate family life education programs; and
- Providing diverse practicum experiences that prepare students for future employment.

The graduate program in Marriage and Family Therapy contributes to this mission through:

- Emphasizing a Christocentric view of human nature and personal/relational problems within a context of diversity;
- Providing a diverse clinical training experience;
- Encouraging development of a professional identity by fostering involvement in the profession of marriage and family therapy; and
- Creating a culture of research.

The Department is committed to attaining high standards in education while offering personal guidance to students regarding their life choices. Marriage and Family Studies faculty members have academic degrees and professional experience in such areas as community services, marriage and family therapy, gerontology, research, administration, family life education, ministry, organizational development, group leadership, business consulting, family violence, and healthcare services.

Study Abroad Expectations
All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year.

Bachelor of Science Degree (BS)
The Bachelor of Science Degree in Child and Family Services is designed to equip students to serve the needs of children and families in a variety of community settings. For those with a strong desire to help improve people’s lives, the program equips students to provide social services and educational programs designed to improve the functioning of children and their families, to help strengthen family relationships, and to solve personal and family problems. Taught from a Christian perspective, the program prepares students for a variety of careers serving children and families such as social service providers, family service workers, child life specialists, child and adult protective service providers, youth services and program directors, child development center directors, and family life educators. The Child and Family Services major requirements examine ten content or subject areas prescribed by the National Council on Family Relations (NCFR). Students use recommended electives to build a specific area of study or concentration based on their professional interests such as child life, marriage and family, counseling, child and family ministry, gerontology, etc. Upon graduation, students will have completed the course content necessary to take the NCFR Certified Family Life Educator (CFLE) examination if desired. Majors in Child and Family Services should be people-oriented, sensitive to the concerns of children and families, effective in communication and listening skills, and strong in potential for leadership and management.

Admission into the Child and Family Services Program
The Department of Marriage and Family Studies welcomes all who desire to gain knowledge and expertise pertaining to various aspects of child and family services from a Christian perspective. While some may apply their studies in personal or unofficial capacities, many will pursue careers as professionals working with children and families. This is a high calling, demanding high professional standards. We, therefore, require an admission process that usually takes place during the sophomore year. This process, described below, is intended to ensure prospective employers that ACU graduates are equipped for the demands of working with children and families.

Requirements for Admission
Students entering ACU as freshmen who wish to major in Child and Family Services will receive candidacy status in the program. In order to be fully admitted to the program, the following criteria must be met:

1. Good standing in the University with at least 45 credit hours completed.
2. Competition of FAM 251, FAM 265, and FAM 285 with a grade of C or higher in all major courses.
3. A cumulative overall GPA of at least 2.25.

Any exemptions or modification to the above requirements due to special circumstances must be requested through the Chair of the Department of Marriage and Family Studies. All requests will be reviewed and must be approved by the Child and Family Services Admissions and Review Committee.

Requirements for Maintaining Program Admission Status
In order to remain in the Child & Family Services program, students must meet the following criteria:

1. A grade of C or higher in all major courses.
2. Maintenance of an overall cumulative GPA of 2.25 or higher.

CHILD AND FAMILY SERVICES (BS)

BS: CHIL D & FAMILY SERVICES DEGREE PLAN (CFS)

UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

MAJOR REQUIREMENTS
College of Business Administration

Richard S. Lytle, Dean
Andrew Little, Associate Dean
Tim Johnston, Assistant Dean
ACU Box 29303
Abilene, Texas 79699-9303
Mabee Business Building, Room 140
Phone: 325-674-2245
Fax: 325-674-2564
Email: coba@acu.edu
Web: www.acu.edu/coba

The mission of the College of Business Administration is to glorify God by creating a distinctively Christian environment in which excellent teaching, combined with scholarship, promotes the intellectual, personal, and spiritual growth of students, and educates them for Christian service and leadership throughout the world.

The college’s business programs are accredited by the Association to Advance Collegiate Schools of Business (AACSB International), the premier accrediting agency of collegiate business schools worldwide.

The college contains two business academic units:

- The Department of Accounting and Finance offers the:
  - Bachelor of Business Administration (BBA) degree with majors:
    - Accounting
    - Financial Management
  - Master of Accountancy (MAcc) described in the Graduate School section of the catalog (page 128).

- The Department of Management Sciences offers the:
  - Bachelor of Business Administration (BBA) degree with majors in:
    - Information Systems
    - Management
    - Marketing
  - Master of Business Administration (MBA)* described in the Graduate School section of the catalog (page 128).
  - These concentrations are available to any business major or minor:
    - Business Intelligence
    - Business Leadership
    - Business Process Management
    - Entrepreneurship and Philanthropy
    - Human Resource Management
    - International Business
  - Minors to non-BBA majors:
    - Business Administration

The college also contains a technology and computing unit:

The School of Information Technology and Computing offers the:

- Bachelor of Science (BS) degree with majors in:
  - Computer Science – available concentrations in Computing Theory; Game Development; and Software Engineering
  - Computer Science and Math with Teacher Certification
  - Digital Entertainment Technology – available concentrations in Digital Design, Film and Media Production and Game Development

Minor in Child and Family Services

<table>
<thead>
<tr>
<th>MINOR: CHILD &amp; FAMILY SERVICES (CFS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 376 Family Communication ............ 3</td>
</tr>
<tr>
<td>FAM 251 Introduction to Family Studies ........ 3</td>
</tr>
<tr>
<td>FAM 452 Parenting and Family Skills ........ 3</td>
</tr>
<tr>
<td>FAM 265 Child Development, FAM 356 Human Intimacy, FAM 362 Families in Society, FAM 432 Family Finance, FAM 453 Family Crises and Resiliency, FAM 454 Aging and The Family, or FAM 455 Ministry to Fathers</td>
</tr>
<tr>
<td>TOTAL ........................................... 18</td>
</tr>
</tbody>
</table>

Course Descriptions

Please see the Course Descriptions section of this catalog (page 165). Courses offered by the Department of Bible, Missions and Ministry include those with the following designations: FAM.
Accounting and Finance

John D. Neill, Chair
ACU Box 29329
Abilene, Texas 79699-9305
Mabee Business Building, Room 171
Phone: 325-674-2053
Fax: 325-674-2564
Email: john.neill@coba.acu.edu
Web: www.acu.edu/coba

Faculty
Curtis E. Clements, Associate Professor
William E. Fowler, Associate Professor
John D. Neill, Professor
David Perkins, Professor
Terry Pope, Professor
Jonathan Stewart, Professor
Scott Stovall, Associate Professor
T. Kyle Tippens, Assistant Professor
Paul Wertheim, Professor

Majors: Accounting (BBA)
Financial Management (BBA)

Introduction
The Department of Accounting and Finance offers the Bachelor of Business Administration degree in accounting and in financial management.

The Master of Accountancy degree is available as a separate graduate degree or as part of the Integrated BBA/MAcc degree as described below. See the Graduate School section of this catalog for information on the Master of Accountancy degree (page 128).

Integrated Plan: Accounting (BBA) and Master of Accountancy (MAcc)
Students planning to enter the Master of Accountancy program may choose to apply for entry into the Integrated Plan. The Integrated Plan allows students to take a limited number of MAcc courses during their senior year and eliminates the 6 hours of accounting or finance electives from the BBA degree requirements. Students must complete all other BBA requirements of the accounting degree and also must complete the 30 hours of the Macc degree. The Integrated Plan requires 152 hours of course work and satisfies the 150-hour regulations for students wanting to take the Uniform CPA exam.

Students should take note of the following provisions of the Integrated Plan:

1. Entry into the plan is by application and must be approved by the department chair and the graduate dean.
2. A student’s BBA degree will not be awarded until satisfactory completion of 15 hours in the MAcc program.
3. A student in the plan may participate in undergraduate commencement exercises during the semester in which all BBA requirements other than the 6 hours of accounting and finance electives are fulfilled.

Study Abroad Expectations
All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year.

Bachelor of Business Administration (BBA)
Before being admitted to a business program, a student must satisfy the requirements listed in the College of Business Administration Admission Requirements section of this catalog (page 99).

**ACCOUNTING (BBA)**

### BBA: ACCOUNTING DEGREE PLAN (ACCT)

#### UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

#### BUSINESS FOUNDATIONS

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business</td>
<td></td>
</tr>
<tr>
<td>ACCT 210 Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>B LAW 363 Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 120 Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ECON 260 Macroeconomics (3)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 261 Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 310 Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>IS 322 Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 330 Management and Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 331 Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 320 Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Choose 1 course from: BUSA 419, FIN 419, MGMT 419</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 419 (3)</td>
<td></td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td></td>
</tr>
<tr>
<td>MATH 130, 131, 185, or 186 (3)</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>27</td>
</tr>
</tbody>
</table>

Notes: 
1. Hours (in parentheses) may also fulfill university requirements and are not included in total major hours.

### MAJOR REQUIREMENTS

#### Accounting

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 302 Cost Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 304 Income Tax I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 310 Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 311 Intermediate Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 324 Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 405 Fundamentals of Auditing</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 410 Advanced Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>BLAW 461 Business Law II</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 439 Strategic Management (capstone and writing-intensive course)</td>
<td>3</td>
</tr>
<tr>
<td>Choose 2 courses: Advanced ACCT and/or FIN (300-499)</td>
<td>6</td>
</tr>
</tbody>
</table>

#### English

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 326 Business and Professional Writing</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>36</td>
</tr>
</tbody>
</table>

#### ELECTIVES

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum</td>
<td>9</td>
</tr>
<tr>
<td><strong>TOTAL MAJOR HOURS</strong></td>
<td>72</td>
</tr>
</tbody>
</table>

### OTHER GRADUATION REQUIREMENTS

Minimum grade in each business course .................................. C
Minimum GPA for graduation ................................................ 2.50
Minimum advanced hours .................................................... 33
Minimum total hours ...................................................... 128

Course Descriptions

Please see the Course Descriptions section of this catalog (page 165).

Courses offered by the Department of Accounting and Finance include those with the following designations: ACCT, FIN and MACC.
Management Sciences

Mark H. Phillips, Chair
ACU Box 29338
Abilene, Texas 79699-9309
Mabee Business Building, Room 245
Phone: 325-674-2993
Fax: 325-674-2507
Email: mark.phillips@coba.acu.edu
Web: www.acu.edu/coba

Faculty
Jozell Brister, Associate Professor
Orneita Burton, Associate Professor
Malcolm P. Coco, Professor
C. Brad Crisp, Associate Professor
Jennifer Golden, Assistant Professor
Ryan K. Jessup, Assistant Professor
Andrew Little, Assistant Professor
Jim Litton, Assistant Professor
Monty L. Lynn, Professor
Richard S. Lytle, Professor
Dennis Marquardt, Assistant Professor
Laura C. Phillips, Associate Professor
Mark H. Phillips, Associate Professor
Don N. Pope, Associate Professor
Brent N. Reeves, Associate Professor
Ian Shepherd, Professor
Phillip D. Vardiman, Professor

Majors: Information Systems (BBA)
  Management (BBA)
  Marketing (BBA)

Minor: Business Administration

Introduction
The Department of Management Sciences offers the Bachelor of Business Administration degree in management, marketing and information systems. A minor in business administration is available to non-BBA majors.

Study Abroad Expectations
All students are strongly encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year.

Bachelor of Business Administration (BBA)
Admission Requirements
Before being admitted to a business program, a student must satisfy the requirements listed in the College of Business Administration Admission Requirements section of this catalog (page 99).

Minor in Business
A minor in business is available to non-BBA majors.

INFORMATION SYSTEMS (BBA)

<table>
<thead>
<tr>
<th>BBA: INFORMATION SYSTEMS DEGREE PLAN (IS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIVERSITY REQUIREMENTS</td>
</tr>
<tr>
<td>Please see the University Requirements section of this catalog (page 37).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BUSINESS FOUNDATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business</td>
</tr>
<tr>
<td>ACCT 210 Financial Accounting</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAJOR REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 211 Managerial Accounting</td>
</tr>
<tr>
<td>ACCT 302 Cost Accounting</td>
</tr>
<tr>
<td>CS 115 Introduction to Programming</td>
</tr>
<tr>
<td>CS 116 Scripting</td>
</tr>
<tr>
<td>IS 324 Management Information Systems</td>
</tr>
<tr>
<td>IS 405 Systems Analysis and Design</td>
</tr>
<tr>
<td>IS 410 Enterprise Resource Planning Systems</td>
</tr>
<tr>
<td>IT 220 Introduction to Databases and Database Management Systems</td>
</tr>
<tr>
<td>IT 221 Fundamentals of Networks and Data Communications</td>
</tr>
<tr>
<td>ITC 110 Intro to Information, Technology and Computing</td>
</tr>
<tr>
<td>ITC 460 Managing Technical Projects (capstone and writing-intensive course)</td>
</tr>
<tr>
<td>Select 1 IS or IT advanced elective</td>
</tr>
<tr>
<td>Select 2 business or SITC electives</td>
</tr>
<tr>
<td>(Note: This includes BUSA, ACCT, CS, DET, FIN, IS, IT, ITC, MKTG or MKTG)</td>
</tr>
<tr>
<td>TOTAL</td>
</tr>
<tr>
<td>39</td>
</tr>
</tbody>
</table>

| ELECTIVES                                 |
| Minimum                                   |
| 6                                          |

| TOTAL MAJOR HOURS                        |
| 72                                         |

| OTHER GRADUATION REQUIREMENTS             |
| Minimum grade in each business course     |
| C                                          |
| Minimum GPA for graduation                |
| 2.50                                       |
| Minimum advanced hours                    |
| 33                                         |
| Minimum total hours                       |
| 128                                        |

Courses numbered 0** do not count in minimum hours required for degree.

MANAGEMENT (BBA)

<table>
<thead>
<tr>
<th>BBA: MANAGEMENT DEGREE PLAN (MGMT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIVERSITY REQUIREMENTS</td>
</tr>
<tr>
<td>Please see the University Requirements section of this catalog (page 37).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BUSINESS FOUNDATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business</td>
</tr>
<tr>
<td>ACCT 210 Financial Accounting</td>
</tr>
<tr>
<td>BLAW 363 Legal Environment of Business</td>
</tr>
<tr>
<td>BUSA 120 Introduction to Business</td>
</tr>
<tr>
<td>ECON 260 Macroeconomics</td>
</tr>
<tr>
<td>ECON 261 Microeconomics</td>
</tr>
<tr>
<td>FIN 310 Financial Management</td>
</tr>
<tr>
<td>IS 322 Business Statistics</td>
</tr>
<tr>
<td>MKTG 330 Management and Organizational Behavior</td>
</tr>
<tr>
<td>MKTG 331 Operations Management</td>
</tr>
<tr>
<td>MKTG 320 Principles of Marketing</td>
</tr>
<tr>
<td>Choose 1 course: BUSA 419, MKTG 419 or MKTG 419</td>
</tr>
<tr>
<td>Mathematics</td>
</tr>
<tr>
<td>MATH 130, 131, 185, or 186</td>
</tr>
</tbody>
</table>

1 Hours (in parentheses) may also fulfill university requirements and are not included in total major hours.
<table>
<thead>
<tr>
<th>MANAGEMENT CORE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 211 Managerial Accounting or ACCT 302 Cost Accounting I ......................... 3</td>
</tr>
<tr>
<td>IS 324 Management Information Systems ................................................. 3</td>
</tr>
<tr>
<td>MGMT 345 Introduction to Management Science .................................... 3</td>
</tr>
<tr>
<td>MGMT 439 Strategic Management (capstone and writing-intensive course) .......... 3</td>
</tr>
<tr>
<td>Choose 4 courses: Advanced business selections (BUSA 435 or MGMT 335; MGMT 305; MGMT 332; MGMT 342 or 452; MGMT 499) ............ 12</td>
</tr>
<tr>
<td>TOTAL ......................................................... 24</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MANAGEMENT EMPHASES (CHOOSE ONE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Leadership (BABL)</td>
</tr>
<tr>
<td>Choose 2 or 3 courses: (3 hours may meet MGMT core) ......................... (3)²/6</td>
</tr>
<tr>
<td>BUSA 435 Christian Business Leadership Perspectives</td>
</tr>
<tr>
<td>MGMT 335 Leadership in Organizations</td>
</tr>
<tr>
<td>MGMT 459 Project Management</td>
</tr>
<tr>
<td>Choose 0 or 1 courses: 0-3</td>
</tr>
<tr>
<td>COMM 421 Leadership and Communication</td>
</tr>
<tr>
<td>PSVC 388 Teams and Team Leadership</td>
</tr>
<tr>
<td>TOTAL ......................................................... 6</td>
</tr>
<tr>
<td>Human Resource Management (HR)</td>
</tr>
<tr>
<td>MGMT 332 Human Resources Management (may meet MGMT Core) .................. (3)²</td>
</tr>
<tr>
<td>Choose 2 courses: 6</td>
</tr>
<tr>
<td>MGMT 337 Safety, Health and Security</td>
</tr>
<tr>
<td>MGMT 373 Employee Planning, Recruitment and Selection</td>
</tr>
<tr>
<td>MGMT 375 Employee and Labor Relations</td>
</tr>
<tr>
<td>MGMT 447 Compensation and Benefits Management</td>
</tr>
<tr>
<td>TOTAL ......................................................... 6</td>
</tr>
<tr>
<td>Business Process Management (BABP)</td>
</tr>
<tr>
<td>Choose 2 courses: (3 hours may meet MGMT Core) ................................. (3)²/3</td>
</tr>
<tr>
<td>MGMT 342 Total Quality Management</td>
</tr>
<tr>
<td>MGMT 452 Logistics and Supply Chain Management</td>
</tr>
<tr>
<td>MGMT 459 Project Management</td>
</tr>
<tr>
<td>Choose 1 course: 3</td>
</tr>
<tr>
<td>IS 405 System Analysis and Design</td>
</tr>
<tr>
<td>IS 410 Enterprise Resource Planning Systems</td>
</tr>
<tr>
<td>TOTAL ......................................................... 6</td>
</tr>
<tr>
<td>Entrepreneurship and Philanthropy (EP)</td>
</tr>
<tr>
<td>MGMT 305 Foundations of Entrepreneurship (may meet MGMT Core) ................. (3)²</td>
</tr>
<tr>
<td>Choose 2 courses: 6</td>
</tr>
<tr>
<td>FIN 420 Entrepreneurial Finance</td>
</tr>
<tr>
<td>MGMT 320 Social Entrepreneurship</td>
</tr>
<tr>
<td>MGMT 419 Global Entrepreneur (may meet Business Foundations)</td>
</tr>
<tr>
<td>MGMT 430 Entrepreneurial Venture Management</td>
</tr>
<tr>
<td>MGMT 452 Launching the Venture</td>
</tr>
<tr>
<td>TOTAL ......................................................... 9</td>
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<tr>
<td>Choose 2 Advanced business or business concentration or support field (advanced selections from same non-business prefix) .......... 6</td>
</tr>
<tr>
<td>TOTAL ......................................................... 12</td>
</tr>
<tr>
<td>ELECTIVES</td>
</tr>
<tr>
<td>Minimum ......................................................... 9</td>
</tr>
<tr>
<td>TOTAL MAJOR HOURS ......................................................... 72</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BUSINESS CONCENTRATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Intelligence (BABI)</td>
</tr>
<tr>
<td>Choose 9 hours from: IS 330, 342, 410 IS/MKTG 432, MGMT 345 .................. 9</td>
</tr>
<tr>
<td>Business Leadership (BABL)</td>
</tr>
<tr>
<td>Choose 6-9 hours from: BUSA 435, MGMT 335, 459 ................................. 6-9</td>
</tr>
<tr>
<td>Choose 0-3 hours from: COMM 421, PSYC 388 ......................................... 0-3</td>
</tr>
<tr>
<td>Business Process Management (BAPM)</td>
</tr>
<tr>
<td>Choose 6 hours from: MGMT 342, 452, 459 ............................................. 6</td>
</tr>
<tr>
<td>Choose 3 hours from: IS 405, 410 ......................................................... 3</td>
</tr>
</tbody>
</table>

Courses numbered 0** do not count in minimum hours required for degree. 

<table>
<thead>
<tr>
<th>MARKETING (BBA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BBA: MARKETING DEGREE PLAN (MKTG)</td>
</tr>
<tr>
<td>UNIVERSITY REQUIREMENTS</td>
</tr>
<tr>
<td>Please see the University Requirements section of this catalog (page 37).</td>
</tr>
<tr>
<td>BUSINESS FOUNDATIONS</td>
</tr>
<tr>
<td>Business</td>
</tr>
<tr>
<td>ACCT 210 Financial Accounting ......................................................... 3</td>
</tr>
<tr>
<td>BLAW 363 Legal Environment of Business .......................................... 3</td>
</tr>
<tr>
<td>BUSA 120 Introduction to Business ................................................... 3</td>
</tr>
<tr>
<td>ECON 260 Macroeconomics .................................................................. (3)²</td>
</tr>
<tr>
<td>ECON 361 Microeconomics ................................................................. 3</td>
</tr>
<tr>
<td>FIN 310 Financial Management ........................................................... 3</td>
</tr>
<tr>
<td>IS 322 Business Statistics ................................................................... 3</td>
</tr>
<tr>
<td>MGMT 330 Management and Organizational Behavior ............................ 3</td>
</tr>
<tr>
<td>MGMT 331 Operations Management ..................................................... 3</td>
</tr>
<tr>
<td>MGMT 350 Principles of Marketing ..................................................... 3</td>
</tr>
<tr>
<td>Choose 1 course: BUSA 419, MGMT 419 or MKTG 419 ......................... (3)²</td>
</tr>
<tr>
<td>Mathematics</td>
</tr>
<tr>
<td>MATH 130, 131, 185, or 186 .................................................................. (3)²</td>
</tr>
<tr>
<td>TOTAL ......................................................... 27</td>
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</table>

| ELECTIVES |
| Minimum ......................................................... 9 |
| TOTAL MAJOR HOURS ......................................................... 72 |

<table>
<thead>
<tr>
<th>OTHER GRADUATION REQUIREMENTS</th>
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<tbody>
<tr>
<td>Minimum grade in each business and emphases course .......................... C</td>
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<tr>
<td>Minimum GPA for graduation ................................. 2.50</td>
</tr>
<tr>
<td>Minimum advanced hours ............................................. 33</td>
</tr>
<tr>
<td>Minimum total hours .................................................... 128</td>
</tr>
</tbody>
</table>

Courses numbered 0** do not count in minimum hours required for degree. 

**These concentrations are available to any business major or minor. 
Course prerequisites must be satisfied. 

<table>
<thead>
<tr>
<th>BUSINESS CONCENTRATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Intelligence (BABI)</td>
</tr>
<tr>
<td>Choose 9 hours from: IS 330, 342, 410 IS/MKTG 432, MGMT 345 .................. 9</td>
</tr>
<tr>
<td>Business Leadership (BABL)</td>
</tr>
<tr>
<td>Choose 6-9 hours from: BUSA 435, MGMT 335, 459 ................................. 6-9</td>
</tr>
<tr>
<td>Choose 0-3 hours from: COMM 421, PSYC 388 ......................................... 0-3</td>
</tr>
<tr>
<td>Business Process Management (BAPM)</td>
</tr>
<tr>
<td>Choose 6 hours from: MGMT 342, 452, 459 ............................................. 6</td>
</tr>
<tr>
<td>Choose 3 hours from: IS 405, 410 ......................................................... 3</td>
</tr>
</tbody>
</table>
Entrepreneurship and Philanthropy (EP)
MGMT 305 Foundations of Entrepreneurship ...................... 3
Choose 6 hours from FIN 420, MGMT 320, 419, 430, 432 .......... 6

Human Resource Management (HR)
MGMT 332 Human Resource Management ........................... 3
Choose 6 hours from: MGMT 337, 373, 375, 447 ..................... 6

International Business (BAIB)
Choose 6 or 9 hours from: BUSA 419, ECON 438, FIN 419,
MGMT 419 .............................................................................. 6-9
Choose 0 to 3 hours from: Any GLST course or 3 hours of
spoken foreign language (FLXX), excluding Latin .............. 0-3

Minor in Business
A minor in business is available to non-BBA majors only. Some of the
courses in this minor will have prerequisites.

MINOR: BUSINESS (BUS A)

Business Administration (non-BBA majors only)
Choose 9 hours from: ACCT 210; BLAW 363; BUSA 120
ECON 260, 261; FIN 310; IS 322, 324; MGMT 330;
MKTG 320 ................................................................................ 9
Advanced business electives (300-499) ......................................... 9
TOTAL ........................................................................................ 18

Note: Students must earn a “C” or better in each of the courses
applied to the minor. Students may earn one of the business
concentrations if the requirements are satisfied.

Course Descriptions
Please see the Course Descriptions section of this catalog (page 165).
Courses offered by the Department of Management Sciences include
those with the following designations: BLAW, BUSA, ECON, IS,
MGMT, and, MKTG.

School of Information Technology and Computing
C. Brad Crisp, Director
ACU Box 29353
Abilene, Texas 79699-9353
Mabee Business Building, Room 241
Phone: 325-674-2077
Fax: 325-674-2507
Email: brad.crisp@acu.edu

Faculty
Brian Burton, Assistant Professor
Orneita Burton, Associate Professor
Robert R. Byrd, Associate Professor
C. Brad Crisp, Associate Professor
John Homer, Associate Professor
Alfandika Nyandoro, Associate Professor
James Prather, Instructor
Raymond Pettit, Instructor
Brent N. Reeves, Associate Professor

Majors: Computer Science (BS)
Computer Science with Math Secondary Teacher
Certification (BS)
Digital Entertainment Technology (BS)
Information Technology (BS)

Minors: Computer Science
Digital Entertainment Technology
Information Technology

Introduction
Rapid advances in information technology and computing have led to
dramatic changes in society and in the global economy. Computer- and
technology-related fields claim some of the highest projected job
growth in the United States, with software engineers, database and
network administrators, game designers, and systems analysts among
the top-rated careers.

The School of Information Technology and Computing (SITC) is the
focal point at Abilene Christian University for education and career
preparation in today’s fast-paced, high tech arena. We offer our
students mentoring from highly-qualified Christian faculty, innovative
curriculum and internship opportunities that create high job placement
rates, and participation in research, real-world projects, and student
organizations beginning their freshman year.

The SITC offers four Bachelor of Science programs:

- Computer Science is a well-established major that prepares
  students for careers related to scientific computing,
  programming or software applications, or for continued
  study in graduate programs. This major offers optional
  concentrations in Computing Theory, Game Development,
  and Software Engineering.

- Computer Science-Math with Teacher Certification is a
  cooperative major with the Departments of Mathematics and
  Teacher Education that prepares teachers to certify in
  computer science and math at the high school level.

- The Digital Entertainment Technology is an interdisciplinary
  major that prepares students for careers in animation,
  computer-generated imagery, game development and related
  areas in the film and gaming industries. This major offers
  optional concentrations in Digital Design, Film and Media
  Production, and Game Development as well as an 18 hour
support area that students can use to customize their career direction.

- Information Technology is a flexible major that prepares students to develop software applications and maintain technology infrastructures (e.g., networks, databases, security) in a variety of settings or disciplines. This major offers optional concentrations in Application Development and Security and Administration as well as an 18 hour support area that students can use to customize their career direction.

The SITC cooperates with other departments in the College of Business Administration to offer a Bachelor of Business Administration in Information Systems. This major offers a broad foundation for students interested in the strategic development and usage of information and technology in business. This major may be combined with optional concentrations in business or a minor in information technology. See additional information in the catalog section for the Department of Management Sciences.

The SITC also offers minors in Computer Science, Digital Entertainment Technology, and Information Technology.

Organization, Facilities and Resources
The School of Information Technology and Computing is an academic unit within ACU’s College of Business Administration. Students benefit from career development programs within the college while maintaining a primary focus on the computing and technology discipline. For those interested, students also gain access to resources to turn technology ideas into business ventures.

The SITC utilizes up-to-date computer labs available for teaching and student use, including labs primarily devoted to digital entertainment technologies; networking and security; as well as project-based work. Labs provide access to Windows-, Mac-, and Linux-based machines, with lab equipment being refreshed every three to four years. All classrooms and lecture halls are “smart” facilities, outfitted with Internet connections, video projectors, and other resources that facilitate multi-media instruction. Wireless hot spots are found throughout the academic facilities and students have access to virtual servers and some of the top applications software used in industry (e.g., SAP).

Student Organizations and Activities
The SITC sponsors student chapters of the Association for Computing Machinery (ACM), the Association for Information Systems (AIS), and Upsilon Pi Epsilon (UPE), the honor society for computing professionals. We also have local Digital Entertainment Technology and Security clubs. Each year, teams of SITC students participate in the International Collegiate Programming Contest, and ACU often serves as a host site for a variety of computer programming contests. Our students regularly participate in and win awards in campus activities such as Filmfest, SpringBoard Business Plan Competition, and the Undergraduate Research Festival.

Scholarships and Internships
Outstanding scholarship opportunities are available for students with strong academic credentials and who demonstrate promise for continued success in a technology field. Students with financial need are especially encouraged to apply. All scholarship inquiries should be directed to the School of Information Technology and Computing.

Student participation in internships is one of the most important aspects of the hiring decision of potential employers in the computer technology arena. Excellent internship opportunities are available for qualified students.

Study Abroad Expectations
All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Additional travel opportunities are available through the SITC or the College of Business Administration. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year.

Bachelor of Science Degree (BS)

Admission Requirements
Before being admitted to one of the programs offered by the School of Information Technology and Computing, a student must satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19).

COMPUTER SCIENCE (BS)

BS: COMPUTER SCIENCE DEGREE PLAN (CS)

<table>
<thead>
<tr>
<th>UNIVERSITY REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Please see the University Requirements section of this catalog (page 37).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAJOR REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Computer Science</strong></td>
</tr>
<tr>
<td>CS 120 Programming I .................................................. 3</td>
</tr>
<tr>
<td>CS 130 Programming II: Data Structures ........................ 3</td>
</tr>
<tr>
<td>CS 220 Computer Organization and Single-User Systems .... 3</td>
</tr>
<tr>
<td>CS 230 Object-Oriented Programming .............................. 3</td>
</tr>
<tr>
<td>CS 312 Design and Analysis of Algorithms ...................... 3</td>
</tr>
<tr>
<td>CS 374 Software Engineering ........................................ 3</td>
</tr>
<tr>
<td>IT 220 Introduction to Databases and DBMS .................... 3</td>
</tr>
<tr>
<td>IT 221 Fundamentals of Networking and Data Communications 3</td>
</tr>
<tr>
<td>ITC 110 Intro to Information, Technology, and Computing ... 3</td>
</tr>
<tr>
<td>ITC 460 Managing Technical Projects (capstone and writing-intensive course) 3</td>
</tr>
<tr>
<td><strong>TOTAL</strong> ........................................................................... 30</td>
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</table>

<table>
<thead>
<tr>
<th>MAJOR SELECTION OR CONCENTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Computer Science Selection</strong></td>
</tr>
<tr>
<td>Select 4 Advanced CS electives ................. 12</td>
</tr>
<tr>
<td>Select 4 Advanced CS, IT, ITC, DET, Math; IS 405 ........ 12</td>
</tr>
<tr>
<td>Select 3 CS, IT, DET, IS, ITC, MATH or specified set from support area: ........................................ 9</td>
</tr>
<tr>
<td>Business/Entrepreneurship, Math, Biology, Chemistry, Engineering, Physics</td>
</tr>
<tr>
<td><strong>TOTAL</strong> ................................................................. 33</td>
</tr>
</tbody>
</table>

Selections may be used toward one of the following concentrations:

Computing Theory (CT)

- CS 341 Numerical Methods ........................................... 3
- CS 352 Programming Languages ................................. 3
- CS 356 Operating Systems ......................................... 3
- CS 365 Theory of Computation .................................. 3
- CS 467 Introduction to Artificial Intelligence ............... 3
- CS 495 Senior Seminar (may substitute for ITC 460 above) .... (3)*

Select 6 hours from: CS 320, 355, 381, 420, or ITC 100-499 ....... 6
MATH 186 Calculus II .................................................. 3
MATH 187 Calculus Laboratory ...................................... 1
Select 6 hours from: MATH 286, 325, 334, 361, or 432 ....... 6
Select 8 hours from: CHEM 131, 132, 133, 134; PHYS 110, 111, 112 or 113 ......... (8)*

| **TOTAL** ................................................... 33 |

Game Development (GDP)

- DET 210 Intro to Digital Entertainment ........................ 3
- DET 310 Digital Entertainment Technology II ............... 3
- DET 350 Game Development ........................................ 3
- DET 410 Digital Entertainment Technology III ............ 3
- CS 330 Human-Computer Interaction ........................ 3
- CS 381 Computer Graphics ........................................ 3
- Select 6 hours from: CS 315, 316, 467, or 474 .......... 6
- Select 9 hours from: CS 100-499, DET 100-499, ITC 100-499, MATH 100-499, or IS 405 ....... 9

| **TOTAL** ................................................... 33 |

Software Engineering (SE)

- CS 315 Mobile Computing I ....................................... 3
- CS 330 Human-Computer Interaction ........................ 3
### COMPUTER SCIENCE AND MATH (BS)

**MAJOR REQUIREMENTS**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 355 Compiler Construction</td>
<td>3</td>
</tr>
<tr>
<td>CS 474 Object-Oriented Design</td>
<td>3</td>
</tr>
<tr>
<td>IT 325 Web Application Development</td>
<td>3</td>
</tr>
<tr>
<td>IT 472 Advanced Security</td>
<td>3</td>
</tr>
<tr>
<td>Select 6 hrs from: CS 316, 320, 352, 376; IS 405, or ITC 100-499</td>
<td>6</td>
</tr>
<tr>
<td>*MGMT 305, 430, 432 (Entrepreneurship) or Business</td>
<td>9</td>
</tr>
<tr>
<td>*Any 3 from CS 300-499; IS 405; IT 330, 410, 420; or ITC 100-499</td>
<td>9</td>
</tr>
</tbody>
</table>

**TOTAL** 33

*Up to 6 hours may count toward general education requirements

1Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

**SUPPLEMENT FOR MAJOR**

**Mathematics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 185 Calculus I</td>
<td>(3)</td>
</tr>
<tr>
<td>MATH 227 Discrete Mathematics</td>
<td>(3)</td>
</tr>
<tr>
<td>MATH 377 Statistical Methods I</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL** 3

1Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

**ELECTIVES**

Minimum 6

**TOTAL MAJOR HOURS** 72

**OTHER GRADUATION REQUIREMENTS**

Minimum grade in CS 120, 130, 220, 230; IT 220, 221;

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 227</td>
<td>C</td>
</tr>
<tr>
<td>Minimum GPA in major and concentration courses</td>
<td>2.00</td>
</tr>
<tr>
<td>Minimum GPA for graduation</td>
<td>2.00</td>
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<tr>
<td>Minimum advanced hours</td>
<td>33</td>
</tr>
<tr>
<td>Minimum total hours</td>
<td>128</td>
</tr>
</tbody>
</table>

Courses numbered 0** do not count in minimum hours required for degree.

**SECONDARY TEACHER CERTIFICATION - COMPUTER SCIENCE AND MATH (BS)**

**UNIVERSITY REQUIREMENTS**

Please see the University Requirements section of this catalog (page 37).

**MAJOR REQUIREMENTS**

**Computer Science**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 120 Programming I</td>
<td>3</td>
</tr>
<tr>
<td>CS 130 Programming II</td>
<td>3</td>
</tr>
<tr>
<td>CS 220 Computer Organization</td>
<td>3</td>
</tr>
<tr>
<td>CS 239 Object-Oriented Programming</td>
<td>3</td>
</tr>
<tr>
<td>CS 332 Design and Analysis of Algorithms</td>
<td>3</td>
</tr>
<tr>
<td>ITC 460 Managing Technical Projects</td>
<td>3</td>
</tr>
<tr>
<td>Choose 2 courses from the following:</td>
<td>6</td>
</tr>
<tr>
<td>CS 320 Database Programming and Design</td>
<td></td>
</tr>
<tr>
<td>CS 352 Programming Languages</td>
<td></td>
</tr>
<tr>
<td>CS 355 Compiler Construction</td>
<td></td>
</tr>
<tr>
<td>CS 374 Software Engineering</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL** 24

**MAJOR SELECTION OR CONCENTRATION**

**Mathematics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 185 Calculus I</td>
<td>(3)</td>
</tr>
<tr>
<td>MATH 186 Calculus II</td>
<td>(3)</td>
</tr>
<tr>
<td>MATH 187 Calculus Computer Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>MATH 227 Discrete Mathematics</td>
<td>(3)</td>
</tr>
<tr>
<td>MATH 286 Calculus III</td>
<td>3</td>
</tr>
<tr>
<td>MATH 309 Algebraic Concepts for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 311 Geometric Concepts for Teachers</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL** 19

**PROFESSIONAL EDUCATION REQUIREMENTS**

EDUC 211 Educational Foundations and Multicultural Perspectives | (3)
EDUC 221 Educational Psychology | (3)
EDUC 412 Secondary Curriculum and Media (capstone course) | 3
EDUC 432 Secondary Management and Methods (capstone course) | 3
EDUC 476 Effective Strategies for English Language Learners | 3
EDUC 490 Student Teaching (capstone course) | 6
READ 322 Reading in Secondary Content Areas | 3
SPED 371 Teaching Students with Special Needs (writing-intensive course) | 3

**TOTAL** 21

**ELECTIVES**

Minimum 8

**TOTAL MAJOR HOURS** 72

**CRITERIA FOR ADMISSION TO TEACHER EDUCATION**

In accordance with Texas state law, students must meet the admission criteria described on page 115.

**OTHER GRADUATION REQUIREMENTS**

Minimum GPA in major | 2.75
Minimum GPA for graduation | 2.75
Minimum advanced hours | 33
Minimum total hours | 128

Courses numbered 0** do not count in minimum hours required for degree.

**DIGITAL ENTERTAINMENT TECHNOLOGY (BS)**

Students pursuing the digital entertainment technology degree are required to select and complete an 18-hour approved area of support as part of their academic program. This requirement can be satisfied by selecting an approved 6-course (18-hour) area of emphasis that complements digital entertainment technology.

**UNIVERSITY REQUIREMENTS**

Please see the University Requirements section of this catalog (page 37).

**MAJOR REQUIREMENTS**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 105 Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>Programming sequence: CS 115 Introduction to Programming using Scripting and CS 116 Applied Programming with Scripting or CS 120 Programming I and CS 130 Programming II</td>
<td>3</td>
</tr>
<tr>
<td>CS 330 Human Computer Interaction</td>
<td>6</td>
</tr>
<tr>
<td>DET 210 Digital Entertainment Technologies I</td>
<td>3</td>
</tr>
<tr>
<td>DET 310 Digital Entertainment Technologies II</td>
<td>3</td>
</tr>
<tr>
<td>DET 410 Digital Entertainment Technology III</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 331 Narrative for Film and New Media</td>
<td></td>
</tr>
<tr>
<td>ITC 110 Intro to Information, Technology and Computing</td>
<td>3</td>
</tr>
<tr>
<td>ITC 460 Managing Technical Projects (capstone and writing-intensive course)</td>
<td>3</td>
</tr>
<tr>
<td>JMC 488 Communication Law (writing-intensive course)</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL** 33

**MAJOR SELECTION OR CONCENTRATION**

Select 15 hours of directed electives* (with at least 9 advanced hours) from CS, DET, IS, IT, ITC or any course listed in the concentrations (pre-requisites may apply).

Selections may be used toward one of the following concentrations:

Film & Media Production Concentration (FMP)
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>JMC 201 Introduction to Visual Media</td>
<td>3</td>
</tr>
<tr>
<td>Select 12 hours (at least 9 advanced hours)</td>
<td>12</td>
</tr>
<tr>
<td>DET 350 Game Development</td>
<td></td>
</tr>
<tr>
<td>ENGL 472 Film and Belief</td>
<td></td>
</tr>
<tr>
<td>JMC 361 Advanced Video Production</td>
<td></td>
</tr>
<tr>
<td>THEA 227 Introduction to Technical Theatre</td>
<td></td>
</tr>
<tr>
<td>Directed Elective*</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

Digital Design Concentration (DD)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 351 Typography I</td>
<td></td>
</tr>
<tr>
<td>ART 352 Typography II</td>
<td></td>
</tr>
<tr>
<td>ART 454 Information Graphics</td>
<td></td>
</tr>
<tr>
<td>ART 457 Interactive Design</td>
<td></td>
</tr>
<tr>
<td>DET 350 Game Development**</td>
<td></td>
</tr>
<tr>
<td>Directed Elective*</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

Game Development Concentration (GD)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 315 Mobile Computing I</td>
<td></td>
</tr>
<tr>
<td>CS 316 Mobile Computing II</td>
<td></td>
</tr>
<tr>
<td>DET 350 Game Development**</td>
<td></td>
</tr>
<tr>
<td>IT 220 Introduction to Databases and DBMS</td>
<td></td>
</tr>
<tr>
<td>IT 325 Web Application Development</td>
<td></td>
</tr>
<tr>
<td>Directed Elective*</td>
<td></td>
</tr>
<tr>
<td>*Students may select from CS, DET, IS, IT, ITC or any course listed</td>
<td></td>
</tr>
<tr>
<td>in the concentrations.</td>
<td></td>
</tr>
<tr>
<td>**DE 350 is repeatable up to 6 hours.</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>15</strong></td>
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</tbody>
</table>

OTHER GRADUATION REQUIREMENTS

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum grade in DET 210, 310, 410</td>
<td>C</td>
</tr>
<tr>
<td>Minimum GPA in major</td>
<td>2.00</td>
</tr>
<tr>
<td>Minimum GPA for graduation</td>
<td>2.00</td>
</tr>
<tr>
<td>Minimum advanced hours</td>
<td>33</td>
</tr>
<tr>
<td>Minimum total hours</td>
<td>128</td>
</tr>
</tbody>
</table>

INFORMATION TECHNOLOGY (BS)

Students pursuing the information technology degree are required to select and complete an 18-hour approved area of support as part of their academic program. This requirement can be satisfied by selecting an approved 6-course (18-hour) area of emphasis that complements information technology.

Some approved technical/vocational courses may be transferred from a technical school, junior college, or other two-year degree granting institution. A maximum of twelve semester hours (or four courses) may be transferred for lower-level credit. Up to twelve hours of lower-level credit may also be assigned on the basis of documented work experience, military training, and/or competency testing. The combination of transferred hours or assigned credit may not exceed twelve semester hours.

BS: INFORMATION TECHNOLOGY DEGREE PLAN (IT)

UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

MAJOR REQUIREMENTS

Programming sequence: CS 115 Introduction to Programming
using Scripting and CS 116 Scripting II or CS 120 Programming I
and CS 130 Programming II .................................................... 6

Information Systems

IS 405 System Analysis and Design ........................................... 3

Information Technology

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 220 Introduction to Databases and Database Management Systems</td>
<td></td>
</tr>
<tr>
<td>IT 221 Fundamentals of Networking and Data Communication</td>
<td></td>
</tr>
<tr>
<td>IT 225 Web Technologies</td>
<td></td>
</tr>
<tr>
<td>IT 310 Introduction to Computer and Information Security</td>
<td></td>
</tr>
<tr>
<td>IT 410 Systems Integration and Administration</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>30</strong></td>
</tr>
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</table>

MAJOR SELECTION OR CONCENTRATION

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFORMATION TECHNOLOGY Selection</td>
<td>Advanced CS or IT electives</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>CS, IT, DET, IS, ITC</td>
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</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

Application Development (ITAD)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 325 Web Application Development</td>
<td></td>
</tr>
<tr>
<td>Select 4 courses</td>
<td></td>
</tr>
<tr>
<td>CS 230 Object-Oriented Programming</td>
<td></td>
</tr>
<tr>
<td>CS 315 Mobile Computing I</td>
<td></td>
</tr>
<tr>
<td>CS 316 Mobile Computer II</td>
<td></td>
</tr>
<tr>
<td>CS 320 Database Programming and Design</td>
<td></td>
</tr>
<tr>
<td>CS 330 Human-Computer Interaction</td>
<td></td>
</tr>
<tr>
<td>CS 374 Software Engineering</td>
<td></td>
</tr>
<tr>
<td>CS 474 Object-Oriented Design</td>
<td></td>
</tr>
<tr>
<td>IT 490 Topics in Information Technology</td>
<td></td>
</tr>
<tr>
<td>ITC 499 Internship</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

Security and Administration (ITSA)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 320 Database Administration</td>
<td></td>
</tr>
<tr>
<td>IT 330 Networking II</td>
<td></td>
</tr>
<tr>
<td>IS 410 Enterprise Resource Planning</td>
<td></td>
</tr>
<tr>
<td>IT 415 Networks and Security Administration</td>
<td></td>
</tr>
<tr>
<td>IT 420 Wireless Networks and Protocols</td>
<td></td>
</tr>
<tr>
<td>IT 430 Modern Telecommunications</td>
<td></td>
</tr>
<tr>
<td>IT 472 Advanced Security</td>
<td></td>
</tr>
<tr>
<td>IT 490 Topics in Information Technology</td>
<td></td>
</tr>
<tr>
<td>ITC 499 Internship</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

SUPPORT AREA

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 261 Principles of Microeconomics</td>
<td>(3)1</td>
</tr>
<tr>
<td>IS 322 Business Statistics or MATH 377 Statistical Methods I</td>
<td></td>
</tr>
<tr>
<td>MATH 131 Calculus for Applications or MATH 185 Calculus I</td>
<td>(3)1</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

| Note: 1 Hours (in parentheses) may also fulfill university requirements and are not included in total major hours |

SUPPORT AREA

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>An approved 6-course area of emphasis or minor (excluding courses used to satisfy other degree requirements)</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

ELECTIVES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum</td>
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</tr>
<tr>
<td><strong>TOTAL MAJOR HOURS</strong></td>
<td><strong>72</strong></td>
</tr>
</tbody>
</table>

OTHER GRADUATION REQUIREMENTS

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum grade in CS 115, 116; IT 12, 220, 221, 225, 310</td>
<td>C</td>
</tr>
<tr>
<td>Minimum GPA in major</td>
<td>2.00</td>
</tr>
<tr>
<td>Minimum GPA for graduation</td>
<td>2.00</td>
</tr>
<tr>
<td>Minimum advanced hours</td>
<td>33</td>
</tr>
<tr>
<td>Minimum total hours</td>
<td>128</td>
</tr>
</tbody>
</table>

Courses numbered 0** do not count in minimum hours required for degree.
### College of Education and Human Services

Donnie Snider, Dean  
Bruce Scott, Associate Dean  
ACU Box 28276  
Abilene, Texas 79699-9010  
Education Building, Room 103  
Phone: 325-674-2700  
Fax: 325-674-3707  
Email: cehs@acu.edu  
Web: www.acu.edu/cehs

The College of Education and Human Services began in August 2006. Each department and program in the college is dedicated to equipping leaders for global, urban, cultural, and social changes of the 21st century. The college provides leadership in education and human services that is grounded in current research and informed practice.

The college is well positioned to aid in advancing the mission of the university to educate undergraduate and graduate students for Christian service and leadership throughout the world.

The college includes the following departments and programs:
- Communication Sciences and Disorders
- Kinesiology and Nutrition
- School of Social Work
- Gerontology
- Teacher Education
- TRIO Services  
  - Talent Search  
  - Upward Bound  
  - Student Support Services
- Graduate Studies in Education
- Graduate program in Occupational Therapy
- Graduate certificate in Dietetic Internship
- Graduate program in Higher Education
- Certificate in Higher Education Enrollment Management

The college offers the Bachelor of Science (BS) degree at the undergraduate level.

The college has nationally recognized and accredited graduate programs in Communication Sciences and Disorders, Teacher Education, Nutrition, and Social Work. For more information consult the Graduate School section of this catalog (page 128).

---

### Minors in Information Technology and Computing

A minor in computer science, digital entertainment technology, or information technology may be added to other degrees.

#### MINOR: COMPUTER SCIENCE (CS)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 120 Programming I</td>
<td>3</td>
</tr>
<tr>
<td>CS 130 Programming II: Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>CS 220 Computer Organization and Single-User Systems</td>
<td>3</td>
</tr>
<tr>
<td>CS 230 Object-Oriented Programming</td>
<td></td>
</tr>
</tbody>
</table>

Choose 2 courses:  
CS 322 Design and Analysis of Algorithms, CS 352 Programming Languages, CS 356 Operating Systems, CS 365 Theory of Computation, or CS 374 Software Engineering  

TOTAL 18 credits

#### MINOR: DIGITAL ENTERTAINMENT TECHNOLOGY (DET)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 115 Introduction to Programming using Scripting</td>
<td>3</td>
</tr>
<tr>
<td>DET 210 Digital Entertainment Technology I</td>
<td>3</td>
</tr>
<tr>
<td>DET 310 Digital Entertainment Technology II</td>
<td>3</td>
</tr>
<tr>
<td>DET 410 Digital Entertainment Technology III</td>
<td>3</td>
</tr>
<tr>
<td>ART 105 Two-Dimensional Design or ART 106 Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 331 Narrative for Film and New Media or ENGL 472 Film and Belief</td>
<td>3</td>
</tr>
<tr>
<td>DET 350 Game Development or MGMT 459 Project Management</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL 21 credits

#### MINOR: INFORMATION TECHNOLOGY (IT)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 220 Introduction to Databases and Database Management Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Directed selections (with at least 6 advanced hours) from:  
CS 116-130, 315, 316, 330; IT 100-499, IS 405, 415 or 430... 12

**Selections may be used toward one of the following concentrations:**

**Application Development Concentration**

Choose 3 additional hours of programming (CS 116-130)  
6 hour sequence: IT 225 and IT 325 or CS 315 and CS 316  
Choose 3 hours from CS 330, IT 221, IS 405, or IS 415

**IT Administration Concentration**

IT 221 Fundamentals of Networking and Data Communications  
IT 310 Introduction to Computer and Information Security  
6 hour menu: IT 320, 330, 400-430, or IS 430

TOTAL 18 credits

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Course Descriptions

Please see the Course Descriptions section of this catalog (page 165). Courses offered by the School of Information Technology and Computing include those with the following designations: CS, DET, IT, and ITC. Courses in information systems offered through the Department of Management Sciences have the following designation: IS.
Communication Sciences and Disorders

Terry Baggs, Chair
ACU Box 28058
Abilene, Texas 79699-8058
Don Morris Center, Room 115
Phone: 325-674-2074
Fax: 325-674-2552
Email: terry.baggs@acu.edu
Web: www.acu.edu/comm/disorders

Faculty
Lynette Austin, Associate Professor
Terry Baggs, Associate Professor
Denise Barnett, Assistant Professor
Brenda Bender, Associate Professor
Rachel Smith, Instructor
Diana Taylor, Assistant Professor

Major: Communication Sciences and Disorders (BS)
The Communication Sciences and Disorders Department offers a Bachelor of Science degree in communication sciences and disorders.

Introduction
The goal of the Department of Communication Sciences and Disorders is to prepare students to pursue graduate study in communication disorders (e.g., speech-language pathology or audiology). Four years of undergraduate education, followed by at least two additional years of graduate study, are required to practice as a certified Speech-Language Pathologist or Audiologist. Speech-language pathologists and audiologists are required by most states to earn a graduate degree from a program accredited by the American Speech-Language-Hearing Association (ASHA). The graduate program in speech-language pathology at ACU is accredited by the Council on Academic Accreditation of ASHA.

Additional Admission Requirements
The declaration of Communication Sciences and Disorders as a major does not ensure admission to the Communication Sciences and Disorders program. In addition to the requirements for all degrees (see General Education Requirements section of this catalog), the student must apply for and be granted admission to the Communication Sciences and Disorders program before taking courses beyond the first 9 hours in the degree program (COMP 225, 235, 330).

The following accomplishments are required for admission:

- Be enrolled in or have completed ≥45 semester hours of credit towards the degree at ACU;
- Have a minimum overall Grade Point Average (GPA) of 3.0;
- Complete the first 9 semester hours in the major with a 3.0 GPA (COMP 225, COMP 235, COMP 330);
- Receive a recommendation for admission from the CSD Admissions and Review Committee.

Information on applying for admission to the program is given to all students when they declare their major. The deadline for application is the 10th week of the semester in which the student anticipates completing the initial 9 hours of the degree program (COMP 225, 235, 330).

Other Departmental Requirements
In order to remain in the Communication Sciences and Disorders program, a student must:

- Maintain an overall GPA of 3.0 or better;
- Have a "C" or better in all majors classes;
- Recommendation for continuing the program from the CSD Admissions and Review committee.

Students who do not continue to meet the above requirements will be dropped from COMP classes. Any exemptions or modifications to the above requirements due to special circumstances must be requested through the chair of the Department of Communication Sciences and Disorders. All requests will be reviewed and must be approved by the CSD Admissions and Review committee.

Study Abroad Expectations
All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year.

COMMUNICATION SCIENCES AND DISORDERS DEGREE PLAN (COMP)

<table>
<thead>
<tr>
<th>UNIVERSITY REQUIREMENTS</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>MAJOR REQUIREMENTS</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 225 Phonetics .................................................. 3</td>
</tr>
<tr>
<td>COMP 235 Introduction to Speech Pathology ...................... 3</td>
</tr>
<tr>
<td>COMP 330 Normal Language Development .......................... 3</td>
</tr>
<tr>
<td>COMP 352 Audiology .................................................... 3</td>
</tr>
<tr>
<td>COMP 353 Hearing Rehabilitation .................................... 3</td>
</tr>
<tr>
<td>COMP 356 Articulation and Phonologic Disorders (writing-intensive course) ........................................... 3</td>
</tr>
<tr>
<td>COMP 357 Organic and Neurogenic Disorders ....................... 3</td>
</tr>
<tr>
<td>COMP 380 Clinical Methods in Speech-Language Pathology .... 3</td>
</tr>
<tr>
<td>COMP 381 Anatomical and Physiology Processes of Communication .................................................. 3</td>
</tr>
<tr>
<td>COMP 419 Speech Science ............................................... 3</td>
</tr>
<tr>
<td>COMP 471 Speech-Language Pathology in the Schools .......... 3</td>
</tr>
<tr>
<td>COMP 493 Clinical Practicum in Speech-Language Pathology ... 3</td>
</tr>
<tr>
<td>COMP 494 Advanced Clinical Practice in Communication Disorders .................................................. 3</td>
</tr>
<tr>
<td>COMP 485 CSD Capstone (capstone course) ........................ 3</td>
</tr>
</tbody>
</table>

Choose 1 course from: COMM 345, SOCW 329 ................. 3

Choose 1 course from: MATH 123, SOCI 416, or PSYC 311 .... 3

TOTAL 48

<table>
<thead>
<tr>
<th>ADDITIONAL MAJOR REQUIREMENTS</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 101 Biology – Human Perspective .......................... (3)</td>
</tr>
<tr>
<td>Choose 1 physical science course from CHEM 101, PHYS 102, or PHYS 110 ........................................... (3)</td>
</tr>
</tbody>
</table>

TOTAL 0

*Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

<table>
<thead>
<tr>
<th>ELECTIVES</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Minimum</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>TOTAL MAJOR HOURS</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>OTHER GRADUATION REQUIREMENTS</th>
</tr>
</thead>
</table>

| Minimum grade for each course in major .................................. C |
| Minimum GPA for graduation ............................................. 2.75 |
| Minimum advanced hours .................................................. 33 |
| Minimum total hours ....................................................... 128 |

Courses numbered 0** do not count in minimum hours required for degree.
Kinesiology and Nutrition

Sheila Jones, Chair
Matthew Garver, Associate Chair
ACU Box 28084
Abilene, Texas 79699-8084
Phone: 325-674-2338
Fax: 325-674-6788
Email: joness@acu.edu
Web: www.acu.edu/kinu

Faculty
Joe D. Bell, Associate Professor
Matthew Garver, Assistant Professor
Dickie L. Hill, Professor
Sheila Jones, Associate Professor
Lynn Luttrel, Associate Professor
Libby McCurley, Assistant Professor
Deonna Shake, Instructor
Martha Smallwood, Assistant Professor, and Director, Didactic Program in Dietetics
Lorraine Wilson, Associate Professor
Odies L. Wright, Associate Professor

Majors: Kinesiology (BS)
Nutrition (BS)

Minors: Coaching
Nutrition

The Department of Kinesiology and Nutrition offers the Bachelor of Science degree in Kinesiology (health promotions, pre-physical therapy, pre-occupational therapy, or sport and recreation management) and Nutrition (community nutrition, food service, nutrition-exercise science, or didactic program).

Introduction
The departmental mission is to prepare students to serve and lead through the development of healthy lifestyles. Students selecting Kinesiology (KINE) as their course of study will be preparing to work in health and wellness in a corporate, hospital, or private setting; or they will prepare for future study in physical or occupational therapy. Students selecting Nutrition (NUTR) as their course of study will be preparing to work as registered dietitians or nutritionists in various settings. Students who excel in these degrees are well-prepared for entry to graduate study in areas of human performance, wellness, and nutrition.

The nature of all these occupations requires professionals who enjoy working with people.

The coaching minor is designed to prepare more knowledgeable and competent coaches. Course work addresses the suggested competencies described in existing national coaching standards.

The nutrition minor affords students the opportunity to study nutrients and their physiological functions, normal nutrition requirements throughout the life cycle, nutrition requirements for physical activity, and socioeconomic influences on food choices. It also provides opportunities to learn how to assess adequacy of nutrition, how to develop nutrition education programs, and how to effectively educate populations.

The academic program is enhanced by access to facilities in the Royce and Pam Money Student Recreation and Wellness Center where the department is housed. These facilities serve as both a laboratory for majors and a recreation/fitness facility for the entire campus. There are two classrooms in the Center, both of which are “smart” classrooms, in addition to five classrooms in the Gibson Physical Education Center. The Human Performance Laboratory (HPL) is a resource for our majors to learn to analyze body composition, cardiovascular function, blood chemistry, respiratory function, muscular strength, and flexibility. These analyses are also available for faculty, staff, and students who wish to assess their personal health by using state-of-the-art technology, such as the BodPod and the new Parvo metabolic measurement system. Computer assisted nutritional analysis, stress profiles and personal evaluations are also available in the HPL. The nutrition program has access to a fully equipped food science laboratory.

Recreational and fitness facilities include four gyms for court games; three racquetball courts; two group exercise areas; a large exercise area with strength training equipment, stair climbers, elliptical machines, and treadmills for aerobic workouts; a free-weight area; two indoor swimming pools; and men’s and women’s dressing rooms. Lighted tennis courts are adjacent to the center.

Undergraduate students at Abilene Christian University are required to take 2 semester hours of exercise science (a choice of PEAC 100 and one activity course or two activity courses). Kinesiology majors must take KINE 100 and 206, and a PEAC or PEACs as specified in the degree plans. Kinesiology transfers must take KINE 100 at ACU if they have not already completed a course that is determined to be enough like the one at ACU. Students seeking a medical exemption must do so through the chair of the Department of Kinesiology and Nutrition. Most often, students seeking an exemption are given adaptive or modified physical activities rather than an exemption. The Department of Kinesiology and Nutrition provides a well-balanced activity program with an emphasis on health and wellness. Departmental objectives for each activity class include providing activity for recreation (enjoyment), fitness and stress release, while teaching knowledge and performance skills needed to maintain a healthful, enjoyable lifestyle in the future. Students are permitted to take up to three activity classes in addition to the requirements for elective credit.

A student may elect to take any physical education activity class, excluding PEAC 100, on a Pass/Fail basis. Students must make this decision during the first two weeks of the fall and spring terms or the first two days of the summer term. During this time, the Pass/Fail form is available on the Registrar’s website at www.acu.edu/registrar. (Students should be aware that some graduate schools will not accept Pass/Fail grades and/or will automatically count them as a grade of “C.” Some schools will not transfer Pass/Fail grades.)

Study Abroad Expectations
All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year. PEAC 216 is offered for credit at all 3 Study Abroad sites.

Bachelor of Science Degrees (BS)

Admission Requirements
Before being admitted to a program, a student must satisfy the requirements listed in the ACT/SAT Placement Information section of this catalog (page 19).

Kinesiology (BS)
This major is interdisciplinary by design with required courses, electives and laboratory experiences to prepare the student for entry into commercial fitness, hospital-based fitness, wellness or cardiac rehabilitation. Degree tracks are designed specifically for entrance into graduate programs in physical therapy, occupational therapy, health and wellness promotion, and sport and recreation management. Within the Kinesiology major, students may currently choose six options:

Athletic Training (KNAT). This degree track allows the student to obtain the academic preparation and practical experience necessary to
sit for the Texas Department of Health licensing examination for Licensed Athletic Trainer (LAT) in the state of Texas and to further matriculate into a Masters of Athletic Training program, should they so desire.

Health Promotions (KNHP). Kinesiology professionals may choose to pursue careers in private, corporate, or wellness related programs. Students will be given the opportunity to pursue certification as personal trainers and engage in specific career related internships.

Kinesiology Generalist (KGEN). This degree track allows students the flexibility to obtain academic preparation inclusive of laboratory and practical experiences necessary to enter medical school or graduate programs in allied health, graduate exercise science, and associated fields. The natural flexibility furthermore serves to accommodate academic preparation for entrance into Occupational and Physical Therapy programs with the redundancy of degree offering being most vital for transfer students and students switching into KINE (or between KINE tracks) but with aspirations towards OT or PT rehabilitative work.

Pre-Physical Therapy (KNPT). Students who wish to pursue professional graduate programs in Physical Therapy must complete all of the pre-requisites for entry into those programs. The KNPT track provides all of the pre-requisites for Physical Therapy schools, in addition to key Kinesiology courses designed to enhance the chances of success in graduate school. A minimum GPA of 3.2 is required for acceptance into the KNPT degree track.

Pre-Occupational Therapy (KNOT). Students who wish to pursue professional graduate programs in Occupational Therapy must complete all of the pre-requisites for entry into those programs. The KNOT track provides all of the pre-requisites for Occupational Therapy schools, in addition to key Kinesiology courses designed to enhance the chances of success in graduate school. A minimum GPA of 3.2 is required for acceptance into the KNOT degree track.

Sport and Recreation Management (KSRM). Students who desire careers in recreation settings such as camps, YMCA, YWCA, city recreation programs, or similar settings; or those who wish to work in intramural administration or athletic administration, may wish to seek the KSRM degree. This track allows for a number of electives that may be used to focus on a specific career goal. A minimum GPA of 2.5 is required for acceptance into the KSRM degree track.

KINESIOLOGY (BS)

KINESIOLOGY DEGREE PLAN (KINE)

UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

MAJOR REQUIREMENTS

Kinesiology

- KINE 100 Lifetime Wellness ........................................... (1)
- KINE 206 Strength Training ........................................... (1)
- KINE 232 Structural Kinesiology .................................... 3
- PSYC 120 Introduction to Psychology .......................... (3)

TOTAL .......................................................... 3

1Hours (in parentheses) may also fulfill university requirements and are not included in total major hours.

TRACKS

Athletic Training (KNAT)

- BIOL 291 Anatomy and Physiology I ......................... (3)
- BIOL 293 Anatomy and Physiology II Lab ..................... 1
- BIOL 292/294 Anatomy and Physiology II Lecture/Lab ...... 4
- CHEM 133 General Chemistry I ............................... (3)
- CHEM 131 General Chemistry Lab ....................... 1
- KINE 291 Basic Sports Medicine ................................ 3
- KINE 296 Care and Prevention of Athletic Injuries ........... 3
- KINE 302 Medical Terminology ............................... 2

Health Promotion (KNHP)

- BIOL 291 Anatomy and Physiology I ......................... (3)
- BIOL 293 Anatomy and Physiology II Lab ..................... 1
- BIOL 292/294 Anatomy and Physiology II Lecture/Lab ...... 4
- CHEM 113 Introductory Chemistry ............................ (3)
- CHEM 111 Introductory Chemistry Lab .................... 1
- CHEM 112/114 Intro. Organic and Biological Chemistry Lecture/Lab .......................... 4
- HED 112 Personal Health and Human Disease ............ 3
- HED Selection (choose 1): HED 324, 405, or 410 ......... 3
- KINE 241 First Aid/CPR ...................................... 1
- KINE 321 Sport Practicum or KINE 322 Fitness Practicum 1
- KINE 360 Leadership and Management for Health Promotion (writing-intensive course) ........ 3
- KINE 372/373 Exercise Physiology I/II ......................... 4
- KINE 420 Exercise Science Internship (capstone experience) ................... 6
- KINE 421 Wellness Practicum .................................. 3
- KINE 450 Personal Training ...................................... 3
- KINE 460 Program Planning for Health Promotion .......... 3
- KINE 473 Clinical Exercise Physiology I ....................... 3
- KINE 475 Physical Activity and Aging ......................... 3
- KINE 480 Training Program Design ......................... 3
- KINE 485 Clinical Exercise Physiology II ..................... 3
- KINE 498 Biomechanics ........................................... 3
- MGMT 330 Management and Organizational Behavior .... 3
- NUTR 221 Introductory Nutrition .............................. 3
- NUTR 224 Nutrition for Exercise and Sport .............. 3
- Choose 1 course from: PEAC 211, 214, 215 or 216 ........ 1

TOTAL: Health Promotion ........................................ 63

Generalist (KGEN)

- BIOL 112 General Biology I ..................................... (3)
- BIOL 114 General Biology I Laboratory (or higher) ......... 1
- CHEM 113 Introductory Chemistry (or higher) ............ (3)
- CHEM 111 Introductory Chemistry Lab (or higher) ...... 1
- HED 112 Personal Health and Human Disease .......... 3
- KINE 241 First Aid/CPR ...................................... 1
- KINE 311 Motor Behavior (writing-intensive course) ...... 3
- KINE 372/373 Exercise Physiology I/II ......................... 4
- KINE 420 Exercise Science Internship (capstone experience) ................... 6
- KINE 473 Clinical Exercise Physiology I ....................... 3
- KINE 485 Clinical Exercise Physiology II ..................... 3
- KINE 498 Biomechanics ........................................... 3
- KINE, HED, NUTR 300-499 or approved upper level science .... 3
- KINE 399 Research Methods in Kinesiology and Nutrition .... 3

TOTAL: Generalist .................................................. 59

Pre-Physical Therapy (KNPT)

- BIOL 112 General Biology I ..................................... (3)
- BIOL 114 General Biology I Laboratory (or higher) ......... 1
- CHEM 113 General Chemistry I ............................... (3)
- CHEM 131 General Chemistry I Lab ....................... 1
- CHEM 112/114 Intro. Organic and Biological Chemistry Lecture/Lab .......................... 4

TOTAL: Pre-Physical Therapy .................................... 59

TOTAL: All Tracks .................................................. 110
ENGL 326 Business and Professional Writing or
ENGL 327 Scientific or Technical Writing ......................... 3
HED 112 Personal Health and Human Disease .................... 3
KINE 302 Medical Terminology ........................................ 2
KINE 311 Motor Behavior (writing-intensive course) ............... 3
KINE 372/373 Exercise Physiology/Lab ................................ 4
KINE 399 Research Methods in Kinesiology and Nutrition ....... 3
KINE 420 Exercise Science Internship (capstone experience) .... 3
KINE 473 Clinical Exercise Physiology I ............................. 3
KINE 485 Clinical Exercise Physiology II ............................. 3
KINE 498 Biomechanics .................................................. 3
MATH 124 Precalculus I or MATH 185 Calculus I .................... (3)
Choose 1 course from: PEAC 211, 214, 215 or 216 .............. 1
PHYS 110/111 General Physics I Lecture/Lab ......................... 4
PHYS 112/113 General Physics II Lecture/Lab ......................... 4
PSYC 232 Developmental Psychology ................................. 3
PSYC 311 Elementary Statistics ........................................ 3
SOCI 111 Introduction to Sociology ..................................... (3)
TOTAL: Pre-Physical Therapy ............................................. 63

Pre-Occupational Therapy (KNAT)

Biol 112 General Biology I .................................................. (3)
BIOL 114 General Biology I Laboratory ................................. 1
BIOL 291/293 Anatomy and Physiology I Lecture/Lab .............. 4
BIOL 292/294 Anatomy and Physiology II Lecture/Lab ............. 4
CHEM 133 General Chemistry I ........................................... (3)
CHEM 131 General Chemistry I Laboratory ........................... 1
HED 112 Personal Health and Human Disease ....................... 3
Choose 1 hour from: PEAC 211, 214, 215, or 216 .................. 1
KINE 302 Medical Terminology ........................................... 2
KINE 311 Motor Behavior (writing-intensive course) ............... 3
KINE 372/373 Exercise Physiology/Lab ................................ 4
KINE 399 Research Methods in Kinesiology and Nutrition ....... 3
KINE 420 Exercise Science Internship (capstone experience) .... 3
KINE 421 Wellness Practicum ............................................. 1
KINE 450 Personal Training ................................................. 3
KINE 473 Clinical Exercise Physiology I ............................... 3
KINE 485 Clinical Exercise Physiology II ............................... 3
KINE 498 Biomechanics .................................................... 3
MATH 124 Precalculus I or MATH 185 Calculus I .................... (3)
PHYS 110/111 General Physics I Lecture/Lab ......................... 4
PSYC 232 Developmental Psychology ................................. 3
PSYC 311 Elementary Statistics ........................................ 3
PSYC 382 Abnormal Psychology ........................................ 3
SOCI 111 Introduction to Sociology ..................................... (3)
TOTAL: Pre-Occupational Therapy ...................................... 55

Sport and Recreation Management (KSRM)

COMM 345 Intercultural Communication ............................. (3)
COMM 430 Conflict Management ...................................... 3
ENGL 326 Business and Professional Writing ....................... 3
GERO 350 Sociology of Aging or GERO 352 Adult Development and Aging or KINE 475 Physical Activity and Aging .................. 3
HED Selection (choose 1): HED 324, 405, or 410 ................. 3
KINE 201 Introduction to Sport and Recreation Management ...... 3
KINE 241 First Aid/CPR or Elective (if taken PEAC 229) .......... 1
KINE 301 Risk Management ............................................... 3
KINE 303 Ethics in Sport and Recreation Management ................ 3
KINE 321 Sport Practicum or KINE 322 Fitness Practicum ....... 1
KINE 333 Youth Activity Programs ..................................... 3
KINE 360 Leadership and Management for Health Promotion (writing-intensive course) .............................................. 3
KINE 401 Legal Aspects to Sport and Recreation ..................... 3
KINE 420 Exercise Science Internship (capstone experience) ..... 3
KINE 460 Program Planning for Health Promotion .................. 3
KINE 490 Special Populations ............................................ 3
MKTG 320 Principles of Marketing or MKTG 343 Personal Marketing ......................................................... 3
NUTR 224 Nutrition for Exercise and Sport or NUTR 221 Introductory Nutrition ........................................... 3

Choose 3 hours from: PEAC 210, 239, 341, 350 or 351 ............ 3
PSYC 388 Teams and Team Leadership ................................ 3
TOTAL: Sport and Recreation Management ................................ 56
* Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

ELECTIVES

Minimum (KNAT) ............................................................. 7
Minimum (KNHP) .......................................................... 6
Minimum (KGEN) .......................................................... 10
Minimum (KNPT) ........................................................... 6
Minimum (KNOT) ........................................................... 14
Minimum (KSRM) .......................................................... 13

* Electives will be used for 2nd area of emphasis

TOTAL MAJOR HOURS .................................................. 72

OTHER GRADUATION REQUIREMENTS

Minimum GPA for graduation (KNAT) ................................... 2.75
Minimum GPA for graduation (KNHP) ................................. 2.00
Minimum GPA for graduation (KGEN) ................................. 2.00
Minimum GPA for graduation (KNPT) .................................. 3.20
Minimum GPA for graduation (KNOT) .................................. 3.20
Minimum GPA for graduation (KSRM) ................................. 2.50
Minimum advanced hours .................................................. 33
Minimum total hours ....................................................... 128

Courses numbered 0** do not count in minimum hours required for degree.

NUTRITION (BS)

The Bachelor of Science in Nutrition prepares students to serve and lead others through living and teaching healthful nutrition practices and wellness lifestyles. Christian values and ethics are encouraged in any area of nutrition the student chooses. Students may declare Nutrition as a major with a concentration in Exercise Science, Community, Food Service, or the Didactic Program in Dietetics (DPD). Entry into the DPD requires a formal application process as described below. The Didactic Program in Dietetics is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND, a division of the Academy of Nutrition and Dietetics). ACEND’s address and phone number are: 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, 800-877-1600 ext. 5400. Below are details concerning the concentrations in Nutrition.

- Didactic Program in Dietetics Concentration (NDPD), Students who are interested in becoming Registered Dietitians may apply to the Didactic Program in Dietetics (DPD) after passing 60 hours through a formal application and interview process. Transfer students or current students wishing to change their major may also apply to the DPD after passing 60 hours, after taking at least 6 hours of nutrition courses at ACU, and having been a nutrition major at ACU for at least two semesters. A GPA of 3.2 is required for entrance into the DPD. Graduates of the DPD are prepared to enter dietetic internships, after which they may sit for the Registration Examination for Dietitians. Registered Dietitians may find employment in healthcare facilities, community and public health nutrition programs, other government entities, private practice, school nutrition programs, sports nutrition and corporate wellness programs, university education, research, sales, marketing, restaurant management, and food companies.

- Exercise Science Concentration (NUEX), An increased emphasis is placed on health promotion in our society today. The Dietary Guidelines for Americans by the Department of Health and Human Services and the U.S. Department of Agriculture recommend 60 minutes of moderate to vigorous intensity activity on most days. Other national organizations have similar recommendations. Nutrition for exercise and sport is extremely important for individuals to stay healthy before, during, and after exercise. Graduates with the Exercise Science concentration are

Minimum GPA for graduation (KNAT) ................................... 2.75
Minimum GPA for graduation (KNHP) ................................. 2.00
Minimum GPA for graduation (KGEN) ................................. 2.00
Minimum GPA for graduation (KNPT) .................................. 3.20
Minimum GPA for graduation (KNOT) .................................. 3.20
Minimum GPA for graduation (KSRM) ................................. 2.50
Minimum advanced hours .................................................. 33
Minimum total hours ....................................................... 128

Courses numbered 0** do not count in minimum hours required for degree.
trained to counsel individuals concerning proper nutrition practices in wellness centers or other exercise-related settings such as gyms or sport facilities. They also receive baseline preparation for personal training.

- **Community concentration (NUCO).** Nutrition professionals are in demand to educate the public in various settings. Graduates of the Community concentration are trained to effectively communicate nutrition messages to individuals and the public. They may find employment with AgriLife Extension, school nutrition programs, supermarkets, or in public health/government nutrition programs such as the Special Supplemental Nutrition Program for Women, Infants, and Children.

- **Food Service concentration (NUFS).** The food service industry affects virtually every person living in the U.S., and employment opportunities are expected to increase. Graduates of the Food Service concentration are trained in food management, food marketing principles, and food safety. They may find employment in school nutrition programs, food service facilities or restaurants as managers, or health departments as food inspectors.

### NUTRITION (BS)

#### BS: NUTRITION DEGREE PLAN (NUTR)

**UNIVERSITY REQUIREMENTS**

Please see the University Requirements section of this catalog (page 37).

**MAJOR REQUIREMENTS**

<table>
<thead>
<tr>
<th>Math</th>
<th>MATH 123 Elementary Statistics ............................................. (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nutrition</td>
<td>NUTR 222 Food Selection and Preparation ..................................... 3</td>
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<tr>
<td></td>
<td>NUTR 224 Nutrition for Exercise and Sport .................................... 3</td>
</tr>
<tr>
<td></td>
<td>NUTR 325 Quantity Food Production and Service ................................ 3</td>
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<tr>
<td></td>
<td>NUTR 327 Nutrition Through the Life Cycle ................................... 3</td>
</tr>
<tr>
<td></td>
<td>NUTR 328 Community Nutrition .................................................. 3</td>
</tr>
<tr>
<td></td>
<td>NUTR 401 Nutrition Seminar (capstone course) ................................ 1</td>
</tr>
<tr>
<td></td>
<td>NUTR 421 Nutrition Assessment and Education (capstone and writing-intensive course) ............................................. 3</td>
</tr>
<tr>
<td></td>
<td>NUTR 423 Food Safety ................................................................... 1</td>
</tr>
<tr>
<td></td>
<td>NUTR 426 Food Science .................................................................. 3</td>
</tr>
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<td></td>
<td>NUTR 427 Food System Organization and Administration ..................... 3</td>
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<tr>
<td>Sciences</td>
<td>BIOL 291 Anatomy and Physiology I ............................................ (3)</td>
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<td>BIOL 293 Anatomy and Physiology I Lab ........................................ 1</td>
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<td>BIOL 292/294 Anatomy and Physiology II Lecture/Lab ........................ 4</td>
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<tr>
<td></td>
<td>CHEM 113 Introductory Chemistry .............................................. (3)</td>
</tr>
<tr>
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<td>CHEM 111 Introductory Chemistry Lab .......................................... 1</td>
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<td>CHEM 112/114 Introduction to Organic and BiologicalChemistry Lecture/Lab ..................................................... 4</td>
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<tr>
<td>Other Required Courses</td>
<td>MGMT 330 Management and Organizational Behavior ................................ 3</td>
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<td></td>
<td>KINE 241 First Aid/CPR .................................................................. 1</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>........................................................................................................ 43</td>
</tr>
</tbody>
</table>

**CONCENTRATION (CHOOSE ONE)**

**Didactic Program in Dietetics (NDPD)**

| BIOL 353/357 General Microbiology .................................................. 4 |
| KINE 399 Research Methods in Kinesiology and Nutrition ................... 3 |
| NUTR 322 Biochemistry of Nutrition I ............................................. 3 |
| NUTR 323 Biochemistry of Nutrition II ............................................. 3 |
| NUTR 425 Medical Nutrition Therapy I ............................................. 3 |
| NUTR 428 Medical Nutrition Therapy II ........................................... 3 |
| NUTR 429 Medical Nutrition Therapy III .......................................... 3 |
| NUTR 450 Capstone in Dietetics ..................................................... 2 |
| **TOTAL**                                                          | ........................................................................................................ 24 |

**Community Concentration (NUCO)**

| COMM 236 General Communication Theory ......................................... 3 |

**Exercise Science (NUEX)**

| KINE 206 Strength Training ............................................................. (1) |
| KINE 232 Structural Kinesiology ..................................................... 3 |
| KINE 372/373 Exercise Physiology Lecture/Lab ...................................... 4 |
| KINE 450 Personal Training ............................................................ 3 |
| KINE 475 Physical Activity and Aging .............................................. 3 |
| PEAC Selection (choose 1): PEAC 211, 214, 215, or 216 ........................ (1) |
| **TOTAL**                                                          | ........................................................................................................ 14 |

**Food Service (NUFS)**

| ACCT 210 Financial Accounting ..................................................... 3 |
| MGMT 332 Human Resource Management ............................................ 3 |
| MGMT 335 Leadership in Organizations ............................................ 3 |
| MKTG 320 Principles of Marketing .................................................. 3 |
| **TOTAL**                                                          | ........................................................................................................ 12 |

1Hours (in parentheses) may also fulfill university requirements and are not included in total major hours.

### ELECTIONS

| Minimum (NDPD) .................................................................................. 5 |
| Minimum (NUEX) .............................................................................. 16 |
| Minimum (NUCO, NUFS) ................................................................... 17 |
| **TOTAL MAJOR HOURS** ................................................................. 72 |

**OTHER GRADUATION REQUIREMENTS**

- Minimum GPA for graduation (NDPD) ................................................. 3.20
- Minimum GPA for graduation (NUCO, NUEX, NUFS) ......................... 2.50
- Minimum advanced hours .................................................................. 33
- Minimum total hours ......................................................................... 128

*Courses numbered 0** do not count in minimum hours required for degree.*
Minor in Coaching
The 18-hour minor may be added to any major. Education majors who wish to teach in a field other than physical education will want to add this minor in order to increase their coaching knowledge and competence.

<table>
<thead>
<tr>
<th>MINOR: COACHING (EXCO)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Coaching Foundation</strong></td>
</tr>
<tr>
<td>KINE 232 Structural Kinesiology ............................................................ 3</td>
</tr>
<tr>
<td>KINE 372 Exercise Physiology ................................................................. 3</td>
</tr>
<tr>
<td>KINE 480 Training Program Design ......................................................... 3</td>
</tr>
<tr>
<td>KINE 491 Principles of Coaching ............................................................. 3</td>
</tr>
<tr>
<td>KINE 492 Coaching Internship .................................................................. 3</td>
</tr>
<tr>
<td>PSYC 342 Applied Sports Psychology ..................................................... 3</td>
</tr>
<tr>
<td><strong>TOTAL</strong> .................................................................................................. 18</td>
</tr>
</tbody>
</table>

Minor in Nutrition
The 19-hour nutrition minor is designed for students with an interest in nutrition or majoring in complementary disciplines. Students in related fields may find the exposure to nutrition pertinent to their field and enhance career opportunities by completing this minor.

<table>
<thead>
<tr>
<th>MINOR: NUTRITION (NUTR)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Nutrition Foundation</strong></td>
</tr>
<tr>
<td>NUTR 120 Nutrition and Wellness or NUTR 221 Introductory Nutrition ............................................................ 3</td>
</tr>
<tr>
<td>NUTR 224 Sports Nutrition ............................................................................. 3</td>
</tr>
<tr>
<td>NUTR 327 Nutrition Through the Life Cycle .................................................. 3</td>
</tr>
<tr>
<td>NUTR 328 Community Nutrition ...................................................................... 3</td>
</tr>
<tr>
<td>NUTR 421 Nutrition Assessment and Education (capstone and writing intensive) .................................................. 3</td>
</tr>
<tr>
<td>BIOL 291 Anatomy and Physiology I or BIOL 292 Anatomy and Physiology II ................................................................ 3</td>
</tr>
<tr>
<td><strong>TOTAL</strong> .................................................................................................. 18</td>
</tr>
</tbody>
</table>

Course Descriptions
Please see the Course Descriptions section of this catalog (page 165). Courses offered by the Department of Kinesiology and Nutrition include those with the following designations: KINE, HED, NUTR, and PEAC.
(see the University Requirements section of this catalog [page 37]), the student must apply for and be granted admission to the social work program before taking most upper-level courses.

The following accomplishments are required for admission:

- Junior standing (60 credit hours).
- Completion of application to the program designated by the school.
- Satisfactory completion of SOCW 230, 250, and 327 or 329.
- Approval for admission by program faculty after an interview and consideration of various criteria.

Complete information on applying for admission to the program is given to all students when they declare their major. The deadline for application is the 13th full week of the semester prior to the anticipated beginning of upper-level practice and field course work. Students are notified of the decision of the faculty by the 15th full week of the semester.

Study Abroad Expectations
All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted during the freshman year.

SOCIAL WORK (BS)

### BS: SOCIAL WORK DEGREE PLAN (SOCW)

#### UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

#### MAJOR REQUIREMENTS*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 101</td>
<td>Biology: Human Perspective</td>
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<tr>
<td>BIOL 291</td>
<td>Anatomy and Physiology</td>
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<td>BIOL 293</td>
<td>Anatomy and Physiology Lab</td>
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<td>BIBM 434</td>
<td>Biomedical Science</td>
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<td>BIBM 435</td>
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<td>COMM 300-499</td>
<td>Communication</td>
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<td>ECON 438</td>
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<td>SOCI 300-499</td>
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<td>SPED 371</td>
<td>Special Education</td>
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<td>SOCI 416</td>
<td>Social Statistics</td>
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<td>SOCW 230</td>
<td>Introduction to Social Work</td>
<td>3</td>
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<tr>
<td>SOCW 250</td>
<td>Person to Person: Fundamental Skills of Relating</td>
<td>3</td>
</tr>
<tr>
<td>SOCW 327</td>
<td>Micro/Mezzo Human Behavior Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOCW 329</td>
<td>Diversity, Power, and Oppression</td>
<td>3</td>
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<tr>
<td>SOCW 351</td>
<td>Social Work Practice with Micro Systems</td>
<td>4</td>
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<tr>
<td>SOCW 381</td>
<td>Field Practicum I</td>
<td>5</td>
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<td>SOCW 415</td>
<td>Social Research (writing-intensive course)</td>
<td>3</td>
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<tr>
<td>SOCW 416</td>
<td>Program and Practice Evaluation (capstone course)</td>
<td>3</td>
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<tr>
<td>SOCW 441</td>
<td>Social Welfare Policies and Services</td>
<td>3</td>
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<tr>
<td>SOCW 442</td>
<td>Policy Analysis and Practice</td>
<td>3</td>
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<tr>
<td>SOCW 451</td>
<td>Social Work Practice with Macro Systems</td>
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<tr>
<td></td>
<td>(writing-intensive course)</td>
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<tr>
<td>SOCW 481</td>
<td>Field Practicum II (capstone course)</td>
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<tr>
<td><strong>TOTAL</strong></td>
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<td><strong>58</strong></td>
</tr>
</tbody>
</table>

1. Hours in parentheses may also fulfill university requirements and are not included in total major hours

#### ELECTIVES

Minimum ................................................................. 14

#### TOTAL MAJOR HOURS ........................................... 72

#### OTHER GRADUATION REQUIREMENTS

Minimum grade for each course in major and supplement .......... C
Minimum GPA in major ............................................... 2.25
Minimum GPA for graduation ....................................... 2.50

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum advanced hours</td>
<td>33</td>
</tr>
<tr>
<td>Minimum total hours</td>
<td>128</td>
</tr>
</tbody>
</table>

Courses numbered 0** do not count in minimum hours required for degree.

### CERTIFICATE IN GERONTOLOGY

The undergraduate Certificate of Studies in Gerontology requires 15 semester hours. See the Gerontology section in Interdisciplinary Programs for specific requirements.

#### Course Descriptions

Please the Course Descriptions section of this catalog (page 3). Courses offered by the School of Social Work include those with the following designation: SOCW and GERO.
Teacher Education

Dana Kennamer Pemberton, Chair
ACU Box 29008
Abilene, Texas 79699-9008
Education Building, Room 101
Phone: 325-674-2112
Fax: 325-674-2123
Email: dlp94a@acu.edu
Web: www.acu.edu/education

Faculty
Mitzi Adams, Instructor
Dennis Cavitt, Assistant Instructor
Julie Douthit, Instructor
Kim Hardin, Instructor
Katie Hathorn, Clinical Assistant
Andrew Huddleston, Assistant Professor
Dana Mayhall, Instructor
Dana K. Pemberton, Professor
Jenn Rogers, Instructor
Jill Scott, Assistant Professor
Sam Stewart, Associate Professor
Stephanie Talley, Instructor

Majors:
- Early Childhood/Elementary Certification (BS)
- High School Teacher Certification (BS)
- High School English Language Arts (BS)
- High School English Special Education (BS)
- Middle School Education with EC-6 and 4-8 Mathematics (BS)
- Middle School Education with EC-6 and 4-8 Language Arts (BS)
- Middle School Education with EC-6 and 4-8 Social Studies (BS)
- Special Education with Early Childhood/Elementary (BS)

The Department of Teacher Education offers the Bachelor of Science degree with majors in interdisciplinary studies. Degrees are available leading to certification at the following levels: Age 3 through Grade 6, Grades 4 through 8, Grades 6 through 12, Grades 7 through 12, and Age 3 through Grade 12. Supplements that may be added to a teaching field include English as a Second Language (ESL) and Special Education.

Introduction
The goal of the Department of Teacher Education is to prepare educators who will have the professional knowledge and skills to work in a wide range of roles in elementary and secondary schools both public and private. Approximately 300 students each year prepare for certification in some aspect of professional education. A capable faculty provides a rich background of practical experience and academic preparation.

The teacher education program is accredited by the Texas State Board for Educator Certification and is nationally accredited through the Teacher Education Accreditation Council (TEAC). Abilene Christian University is a member of the American Association of Colleges for Teacher Education, the Texas Association of Colleges for Teacher Education, the Teacher Education Accreditation Council, the Association of Independent Liberal Arts Colleges for Teacher Education and the Education Deans of Independent Colleges and Universities in Texas.

Criteria for Admission to ACU Teacher Education
In accordance with Texas state law, the ACU Teacher Education Program has established the following criteria for admission to Teacher Education. Before taking more than 6 hours EDUC a student must first be admitted to the Teacher Education Program. To be admitted to the Teacher Education Program, a student must:
1. Complete and submit an application for admission into the Teacher Education Program;
2. Have completed the first 45 semester hours of credit;
3. Successfully complete with a C or better 15 hours in the candidate’s chosen content field;
4. Have a minimum overall Grade Point Average (GPA) of 2.75 and a GPA of 2.75 or higher in 15 hours of the chosen content field;
5. Complete 6 hours of University English requirements with no grade lower than a “C” (In order to maintain admission status, the candidate must earn a C or better in all university required English courses.);
6. Demonstrate proficiency in reading, writing, and math through the following:
   - ACT Compass Placement Test:
     The required Teacher Education Admission scores for the Compass are as follows:
     - Compass Algebra score of 52 or higher
     - Compass Writing Skills score of 83 or higher
     - Compass Reading score of 89 or higher
     Note: Candidates are limited to one retake of the Compass. Prior to a second administration of the Compass the candidate must complete an approved test preparation plan.
   - Exemptions:
     - ACT: Composite score of 23 or higher with at least a 19 on the English test to be exempt from Compass Writing and Reading and at least a 19 on the math section to be exempt from Compass Math.
     - SAT: Combined verbal and math score of 1070 with a minimum of 500 on the verbal portion to be exempt from the Compass Writing and Reading and a minimum of 500 on the math portion to be exempt from Compass Math.
     - University Core Math: Candidates who earn a grade of C or higher in MATH 120 (or higher) will be exempt from the Math Compass.
7. Successfully complete (C or better) EDUC 211 Educational Foundations and Multicultural Perspectives;
8. Successfully complete the Teacher Education Dispositions Review as described in the ACU Teacher Education Student Handbook;
9. Declare a major that includes certification;
10. Successfully complete a student life review;
11. Receive approval from the Teacher Education Admissions and Review Committee. An interview with the committee may be required.

Any exemptions or modification to the above requirements due to special circumstances must be requested through the chair of the Department of Teacher Education. All requests will be reviewed and must be approved by the Teacher Education Admissions and Review Committee. In addition, admission to Teacher Education is not the final step in the process. In order to remain in the program, the prospective teacher must continue to meet the GPA requirement (2.75).

Note: Candidates must meet criteria for admission in place of the time of application to Teacher Education.

English Language Proficiency Assessment Requirement:
International students with primary languages other than English must demonstrate English language proficiency by an official TOEFL score of at least 600 (computer-based score of 250, iBT of 100).

Additional program requirements:
1. In order to remain in the Teacher Education Program, an overall GPA of 2.75, 2.75 in the content filed, and continued approval of the Teacher Education Admissions Committee must be maintained. If the GPA falls below the standard, the
candidate’s admission to Teacher Education will be revoked. If the GPA later meets the standard, the candidate must reapply to the program and meet the standards at the time of reapplication. If the GPA falls below criteria again, the candidate’s admission to Teacher Education will be permanently revoked.

2. In order to maintain eligibility, candidates must be able to perform the essential functions of teaching as outlined in the ACU Teacher Education Handbook.

3. A grade of C or better is required for all courses in the candidate’s teaching field, all professional education courses, and all courses in the major.

4. All professional education courses (EDUC, READ, SPED, and EACH) must be taken in residence.

5. Junior and senior transfer students must demonstrate proficiency in reading, writing, and math through scores on the ACT, SAT, or Compass Placement Test outlined above.

6. Any appeals related to admissions will be directed first to the chair of Teacher Education. If the candidate does not feel the issue is resolved, the appeal will be forwarded to the Dean of the College of Education and Human Services.

Note: A candidate who does not have an overall GPA of 2.75 or higher may be admitted to the program if all other admissions criteria are met and if all of the following are true:

1. An overall GPA of 2.75 or higher in the last 60 hours;
2. A GPA of 2.75 in the teaching content field with no grade lower than a C;
3. No university disciplinary actions filed – academic or otherwise;
4. A formal letter of request submitted to the admissions committee describing the candidate’s academic history and articulating motivations for wanting to enter the teaching profession.

5. An interview with the Teacher Education Admissions Committee.

Teacher Certification

Students who complete the Teacher Education Program and who wish to obtain Texas teacher certification must pass the appropriate exams in professional education and in the appropriate teaching fields as required by the Texas State Board for Educator Certification (SBEC). Approval to take the certification exams must be obtained from the Department of Teacher Education. Additional information is available from the certification officer in the Department of Teacher Education. Those who do not take the certification exams within a year after completing course work may be subject to additional requirements.

All students who plan to complete the Teacher Education Program at ACU are advised that the State Board for Educator Certification (SBEC) at times revises its certification rules, regulations, and procedures. Since ACU’s Teacher Education Program is accredited by the SBEC, some changes in the requirements and procedures contained in this catalog may be necessary. Students seeking certification will be expected to meet the requirements in program admission, programs, certification and degree plans that are in effect at the time they graduate even if they are different from those in this catalog. Students are encouraged to contact the Department of Teacher Education on a regular basis and to maintain close communication with their degree plan specialist to learn of changes as they occur. Degree plan specialists will make every effort to substitute courses for students as requirements change while continuing to prepare students for successful completion of the certification exams.

Except with prior approval of the chair of the Department of Teacher Education, individuals who complete their degree program at ACU must take all required professional education courses in residence.

Study Abroad Expectations

All students are encouraged to participate in ACU’s Study Abroad program. Classes offered at Study Abroad sites vary depending on the site. Academic advisors can assist students in planning ahead for their Study Abroad experience and should be consulted regarding this during the freshman year.

**EARLY CHILDHOOD/ELEMENTARY CERTIFICATION (BS)**

<table>
<thead>
<tr>
<th>UNIVERSITY REQUIREMENTS</th>
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<tbody>
<tr>
<td>Please see the University Requirements section of this catalog (page 37).</td>
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<tr>
<th>INTERDISCIPLINARY MAJOR REQUIREMENTS</th>
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<tr>
<td>Interdisciplinary Course Requirements</td>
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<tr>
<td>CHEM 203 General Science for Elementary Teachers ............................................ 4</td>
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<tr>
<td>EACH 363 Early Language and Literacy ................................................................. 3</td>
</tr>
<tr>
<td>EACH 451 Guidance in Early Childhood .................................................................. 3</td>
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<td>EACH 466 Education of Young Children .................................................................. 3</td>
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<tr>
<td>EDUC 250 Literature for Children ......................................................................... 3</td>
</tr>
<tr>
<td>EDUC 323 Integrated Math and Science: PreK-2 .................................................... 3</td>
</tr>
<tr>
<td>MATH 237 Number and Operations .......................................................................... 3</td>
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<td>MATH 238 Geometry and Measurement ................................................................... 3</td>
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<tr>
<td>READ 363 Foundations of Reading .......................................................................... 3</td>
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<tr>
<td>READ 460 Reading Assessment and Instruction .................................................... 3</td>
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<td>READ 464 Reading-Writing Connection .................................................................. 3</td>
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<tr>
<td>READ 480 Problems in Reading .............................................................................. 3</td>
</tr>
<tr>
<td>SPED 371 Teaching Students with Special Needs (writing-intensive course) ........ 3</td>
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<td>TOTAL .................................................................................................................. 40</td>
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<tr>
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<tr>
<td>Fine Arts</td>
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<td>MUSE 330 Music Education for Elementary Teachers .......................................... 3</td>
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<tr>
<td>Science</td>
</tr>
<tr>
<td>BIOL 101 Biology - Human Perspective or BIOL 203 Basic Biology for Teachers ......................................................... (3)</td>
</tr>
<tr>
<td>PHYS 203 Physical Science for Teachers .................................................................. (3)</td>
</tr>
<tr>
<td>Social Sciences/Humanities</td>
</tr>
<tr>
<td>GEOG 235 World Geography or 354 Cultural Geography .................................... 3</td>
</tr>
<tr>
<td>HIST 117 Civilization I, HIST 118 Civilization II or HIST 131 World History ........................................................................ (3)</td>
</tr>
<tr>
<td>HIST 221 American History I or HIST 222 American History II ......................................................... (3)</td>
</tr>
<tr>
<td>POLS 225 Natl. Govt. or POLS 226 States &amp; Federal System ... (3)</td>
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<td>TOTAL .................................................................................................................. 6</td>
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<table>
<thead>
<tr>
<th>PROFESSIONAL EDUCATION REQUIREMENTS</th>
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<tbody>
<tr>
<td>EDUC 211 Educational Foundations and Multicultural Perspectives ............................... (3)</td>
</tr>
<tr>
<td>EDUC 287 Integrating the Arts Across the Elementary School Curriculum .................. 3</td>
</tr>
<tr>
<td>EDUC 331 Teaching Social Studies in Pre K - Grade 8 ............................................. 3</td>
</tr>
<tr>
<td>EDUC 370 Teaching Mathematics in Elementary Grades 3-6 ................................ .... 3</td>
</tr>
<tr>
<td>EDUC 411 Elementary Curriculum, Materials and Media (capstone course) ............... 3</td>
</tr>
<tr>
<td>EDUC 431 Elementary Management and Methods (capstone course) .......................... 3</td>
</tr>
<tr>
<td>EDUC 476 Effective Teaching Strategies for English Language Learners .................... 3</td>
</tr>
<tr>
<td>EDUC 490 Student Teaching* (capstone course) ..................................................... 6</td>
</tr>
<tr>
<td>TOTAL .................................................................................................................. 18-24</td>
</tr>
</tbody>
</table>

*Students who are accepted into the MEd program will have 6 hours waived and will complete Student Teaching in Graduate School. Must make application and be approved to take EDUC 490. GPA of 2.75 required to remain in Teacher Education Program.

<table>
<thead>
<tr>
<th>ELECTIONS</th>
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<tbody>
<tr>
<td>Minimum ............................................................................................................. 2</td>
</tr>
<tr>
<td>TOTAL MAJOR HOURS ....................................................................................... 72</td>
</tr>
</tbody>
</table>
OTHER GRADUATION REQUIREMENTS

Minimum grade for major courses ........................................... C
Minimum GPA for graduation .................................................. 2.75
Minimum advanced hours ....................................................... 33
Minimum total hours .............................................................. 128
Minimum total hours (MEd acceptance) ................................. 122

Courses numbered 0** do not count in minimum hours required for degree.

SPECIAL EDUCATION WITH EARLY
CHILDHOOD/ELEMENTARY (BS)

BS: SPECIAL EDUCATION WITH EARLY CHILDHOOD AND ELEMENTARY DEGREE PLAN (SPEL)

UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

INTERDISCIPLINARY MAJOR REQUIREMENTS

Interdisciplinary Course Requirements
CHEM 203 General Science for Elementary Teachers ................ 4
EACH 363 Early Language and Literacy ................................... 3
EACH 451 Guidance in Early Childhood .................................. 3
EACH 466 Education of Young Children ................................... 3
EDUC 250 Literature for Children .......................................... 3
MATH 237 Number and Operations ....................................... 3
MATH 238 Geometry and Measurement .................................. 3
READ 363 Foundations of Reading ....................................... 3
READ 460 Reading Assessment and Instruction ....................... 3
READ 464 Reading-Writing Connection ................................... 3
READ 480 Problems in Reading ............................................ 3

TOTAL ................................................................. 34

PROFESSIONAL EDUCATION REQUIREMENTS

EDUC 211 Educational Foundations and Multicultural Perspectives ................................................. (3)i
EDUC 287 Integrating the Arts Across the Elementary School Curriculum .................................................. 3
EDUC 331 Teaching Social Studies in Pre K - Grade 8 .......... 3
EDUC 370 Teaching Mathematics in Elementary Grades 3-6 .. 3
EDUC 411 Elementary Curriculum, Materials and Media (capstone course) ........................................ 3
EDUC 431 Elementary Management and Methods (capstone course) .................................................. 3
EDUC 476 Effective Teaching Strategies for English Language Learners ..................................................... 3
EDUC 490 Student Teaching*(capstone course) .................... 6

TOTAL ................................................................. 18-24

*Students who are accepted into the MEd program will have 6 hours waived and will complete Student Teaching in Graduate School. Must make application and be approved to take EDUC 490. GPA of 2.75 required to remain in Teacher Education Program.

iHours in parentheses may also fulfill university requirements and are not included in total major hours

Special Education Sequence:
SPED 371 Teaching Students with Special Needs (writing-intensive course) ................................................. 3
SPED 374 Emotional and Behavioral Disorders in Children .... 3
SPED 477 Teaching Students with High Incidence Disabilities 3
SPED 481 Teaching Students with Low Incidence Disabilities 3

TOTAL ................................................................. 12

Other Required Courses:

Science
BIOL 101 Biology Human Perspective or BIOL 203 Basic Biology for Teachers ........................................ (3)i
PHYS 203 Physical Science for Teachers ................................ (3)i

Social Science/Humanities
GEOG 235 World Geography or GEOG 354 Cultural Geography ................................................................. 3

MIDDLE SCHOOL EDUCATION WITH EC-6 AND 4-8

LANGUAGE ARTS (BS)

BS: MIDDLE SCHOOL EDUCATION WITH EC-6 AND 4-8 LANGUAGE ARTS (MCLA)

UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

MAJOR REQUIREMENTS

English Teaching Field:
ENGL 221 Major British Writers I ........................................... 3
ENGL 222 Major British Writers II .......................................... 3
ENGL 231 World Literature .................................................... 3
ENGL 261 American Literature before 1900 or ENGL 263 American Literature after 1900 ......................... 3
ENGL 330 Advanced English Grammar .................................. 3
ENGL 351 Young Adult Literature ......................................... 3

TOTAL ................................................................. 18

Interdisciplinary Content:

Social Studies
GEOG 235 World Geography or GEOG 354 Cultural Geography ................................................................. 3
HIST 117 Civilization I or HIST 118 Civilization II ................. (3)i
HIST 221 American History I or HIST 222 American History II ................................................................. (3)i
POLS 226 States and Federal System .................................. (3)i

Science
BIOL 101 Biology - Human Perspective or BIOL 203 Basic Biology for Teachers ........................................ (3)i
CHEM 203 General Science for Elementary Teachers ....... 4
PHYS 203 Physical Science for Teachers ................................ (3)i

Math
MATH 237 Number and Operations .................................... 3
MATH 238 Geometry and Measurement ............................ 3

TOTAL ................................................................. 13

Professional Education

EDUC 370 Teaching Math in Elementary Grades 3-6 ............ 3
EDUC 370 Teaching Math in Elementary Grades 3-6 .......... 3
EDUC 411 Elementary Curriculum, Materials, and Media (capstone course) ............................................ 3
EDUC 431 Elementary Management and Methods (capstone course) .................................................. 3
EDUC 476 Effective Teaching Strategies for English Language Learners ..................................................... 3
**EDUC 490 Student Teaching (capstone course)..............................6**  
**READ 322 Reading in Secondary Content Areas ..........................3**  
**READ 363 Foundations of Reading ...........................................3**  
**READ 460 Reading Assessment and Instruction ............................2**  
**READ 464 Reading-Writing Connection .......................................3**  
**SPED 371 Teaching Students with Special Needs (writing-intensive course).................................................................3**  
**TOTAL ..................................................42**  

*Hours (in parentheses) may also fulfill university requirements and are not included in total major hours.*

**ELECTIVES**

Minimum ....................................................................................0  

**TOTAL MAJOR HOURS ......................................................73**

**OTHER GRADUATION REQUIREMENTS**

Minimum grade for major courses ............................................C  
Minimum GPA for graduation ..................................................2.75  
Minimum advanced hours .......................................................33  
Minimum total hours ..............................................................129  
Minimum total hours (MEd acceptance) ..................................123  

*Courses numbered 0** do not count in minimum hours required for degree.*

### MIDDLE SCHOOL EDUCATION WITH EC-6 AND 4-8 MATHEMATICS

#### BS: MIDDLE SCHOOL EDUCATION WITH EC-6 AND 4-8 MATHEMATICS (MSMA)

**UNIVERSITY REQUIREMENTS**

Please see the University Requirements section of this catalog (page 37).

#### MAJOR REQUIREMENTS

**Mathematics Teaching Field:**

- **MATH 123 Elementary Statistics .............................................3**  
- **MATH 185 Calculus I ...............................................................3**  
- **MATH 227 Discrete Mathematics .............................................3**  
- **MATH 237 Number and Operations .........................................3**  
- **MATH 238 Geometry and Measurement ....................................3**  
- **MATH 247 Number Concepts for grades 7-12 Teachers ..............3**  
- **MATH 309 Algebraic Concepts for Teachers I ............................3**  
- **MATH 311 Geometric Concepts for Teachers I ............................3**  

**TOTAL ..............................................................21**

**Interdisciplinary Content:**

**Social Studies**

- **GEOG 235 World Geography or GEOG 354 Cultural Geography ..........................................................3**  
- **HIST 117 Civilization I or HIST 118 Civilization II ...............(3)**  
- **HIST 221 American History I or HIST 222 American History II .............................................................3**  
- **POLS 226 States and Federal System ......................................3**

**Science**

- **BIOL 101 Biology Human Perspective or BIOL 203 Basic Biology for Teachers .............................................3**  
- **CHEM 203 General Science for Elementary Teachers ............4**  
- **PHYS 203 Physical Science for Teachers ................................3**

**TOTAL ............................................................7**

**Professional Education**

- **EACH 363 Early Language and Literacy ................................3**  
- **EDUC 211 Educational Foundations and Multicultural Perspectives .................................................................(3)**  
- **EDUC 250 Literature for Children ..........................................3**  
- **EDUC 331 Teaching Social Studies in Pre K - Grade 8 ..........3**  
- **EDUC 570 Teaching Math in Elementary Grades 3-6 ..........3**  
- **EDUC 351 Elementary Curriculum, Materials, and Media (capstone course) .........................................................3**  
- **EDUC 431 Elementary Management and Methods (capstone course) .................................................................3**

**EDUC 476 Effective Teaching Strategies for English Language Learners .................................................................3**  
**EDUC 490 Student Teaching (capstone course)..........................6**  
**READ 322 Reading in Secondary Content Areas ..........................3**  
**READ 363 Foundations of Reading ...........................................3**  
**READ 460 Reading Assessment and Instruction ............................3**  
**READ 464 Reading-Writing Connection .......................................3**  
**SPED 371 Teaching Students with Special Needs (writing-intensive course).................................................................3**  
**TOTAL ..................................................42**  

*Hours (in parentheses) may also fulfill university requirements and are not included in total major hours.*

**ELECTIVES**

Minimum ....................................................................................0  

**TOTAL MAJOR HOURS ......................................................72**

**OTHER GRADUATION REQUIREMENTS**

Minimum grade for major courses ............................................C  
Minimum GPA for graduation ..................................................2.75  
Minimum advanced hours .......................................................33  
Minimum total hours ..............................................................128  
Minimum total hours (MEd acceptance) ..................................122  

*Courses numbered 0** do not count in minimum hours required for degree.*

### MIDDLE SCHOOL EDUCATION WITH EC-6 AND 4-8 SOCIAL STUDIES (BS)

#### BS: MIDDLE SCHOOL EDUCATION WITH EC-6 AND 4-8 SOCIAL STUDIES (MSSS)

**UNIVERSITY REQUIREMENTS**

Please see the University Requirements section of this catalog (page 37).

#### MAJOR REQUIREMENTS

**Social Studies Teaching Field**

- **ECON 260 Principles of Macroeconomics or ECON 261 Principles of Microeconomics .................................................3**  
- **GEOG 235 World Geography ..................................................3**  
- **HIST 117 Civilization I .............................................................3**  
- **HIST 118 Civilization II ...........................................................3**  
- **HIST 221 American History I or HIST 222 American History II .............................................................3**  
- **HIST 480 Texas History ..........................................................3**  

Choose 3 hours from: **POLS 225 National Government or POLS 226 States and Federal System ...........................................(3)**  

Choose 3 hours from: **POLS 300-400 ...........................................3**

**TOTAL ............................................................21**

**Interdisciplinary Content:**

**Science**

- **BIOL 101 Biology-Human Perspective or BIOL 203 Basic Biology for Teachers .........................................................3**  
- **CHEM 203 General Science for Elementary Teachers ............4**  
- **PHYS 203 Physical Science for Teachers ................................3**

**Math**

- **MATH 237 Number and Operations .........................................3**  
- **MATH 238 Geometry and Measurement ....................................3**

**TOTAL ............................................................10**

**Professional Education**

- **EACH 363 Early Language and Literacy ................................3**  
- **EDUC 211 Educational Foundations and Multicultural Perspectives .................................................................(3)**  
- **EDUC 250 Literature for Children ..........................................3**  
- **EDUC 331 Teaching Social Studies in Pre K - Grade 8 ..........3**  
- **EDUC 370 Teaching Math in Elementary Grades 3-6 ..........3**  
- **EDUC 411 Elementary Curriculum, Materials, and Media (capstone course) .........................................................3**  
- **EDUC 431 Elementary Management and Methods (capstone course) .................................................................3**
Information on degree requirements for these teaching fields can be found in the appropriate catalog section for those departments. Other Departments: information regarding requirements for high school and All-Level certifications may at times change in response to state level changes. Teacher candidates must meet the requirements for their teaching field that are in effect at the time they graduate, even if those requirements differ from those on the degree plans that follow. For the most current information regarding requirements for high school and All-Level teaching fields contact the Department of Teacher Education.

<table>
<thead>
<tr>
<th>Department of Teacher Education:</th>
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<tbody>
<tr>
<td>High School Teacher Certification – English Language Arts (HSEL)</td>
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<tr>
<td>High School Special Education English Language Arts (SPHE)</td>
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<tr>
<td>Other Departments:</td>
</tr>
<tr>
<td>High School Teacher Certification - Life Sciences (BIOT)</td>
</tr>
<tr>
<td>Chemistry and Biochemistry: Chemistry (CHMT)</td>
</tr>
<tr>
<td>High School Teacher Certification - Physical Science (CPST)</td>
</tr>
<tr>
<td>English: English (ENGT)</td>
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<tr>
<td>High School Teacher Certification - Social Studies (HSST)</td>
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<tr>
<td>High School Teacher Certification - History (HSTT)</td>
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<tr>
<td>Mathematics: Mathematics (MATT)</td>
</tr>
<tr>
<td>High School Teacher Certification - Physics and Mathematics (PHMT)</td>
</tr>
<tr>
<td>Convergence Journalism/Multimedia – Journalism and Technology Applications Certification (JMCT)</td>
</tr>
<tr>
<td>High School Teacher Certification - Computer Science and Mathematics (CSMT)</td>
</tr>
</tbody>
</table>

Information on degree requirements for these teaching fields can be found in the appropriate catalog section for those departments.

### HIGH SCHOOL TEACHER CERTIFICATION (BS)

Teaching fields for high school and All-Level certifications are at times revised by the State Board for Educator Certification (SBEC). As a result of those revisions, the degree requirements for some teaching fields may at times change in response to state level changes. Teacher candidates must meet the requirements for their teaching field that are in effect at the time they graduate, even if those requirements differ from those on the degree plans that follow. For the most current information regarding requirements for high school and All-Level teaching fields contact the Department of Teacher Education.

### HIGH SCHOOL TEACHING CERTIFICATIONS

**Department of Teacher Education:**

- High School Teacher Certification – English Language Arts (HSEL)
- High School Special Education English Language Arts (SPHE)

**Other Departments:**

- High School Teacher Certification - Life Sciences (BIOT)
- Chemistry and Biochemistry: Chemistry (CHMT)
- High School Teacher Certification - Physical Science (CPST)
- English: English (ENGT)
- High School Teacher Certification - Social Studies (HSST)
- High School Teacher Certification - History (HSTT)
- Mathematics: Mathematics (MATT)
- High School Teacher Certification - Physics and Mathematics (PHMT)
- Convergence Journalism/Multimedia – Journalism and Technology Applications Certification (JMCT)
- High School Teacher Certification - Computer Science and Mathematics (CSMT)

### UNIVERSITY REQUIREMENTS

Please see the University Requirements section of this catalog (page 37).

### MAJOR REQUIREMENTS

**English Teaching Field**

<table>
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<th>Hours</th>
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<tbody>
<tr>
<td>ENGL 221 Major British Writers I</td>
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<tr>
<td>ENGL 222 Major British Writers II</td>
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</table>
EDUC 476 Effective Teaching Strategies for English Language Learners ..................................................(3)1
READ 322 Reading in Secondary Content Areas ................................................................. 3
READ 363 Foundations of Reading ............................................................................... 3
READ 460 Reading Assessment and Instruction ................................................... 3
TOTAL ........................................................................................................................................ 45

PROFESSIONAL EDUCATION REQUIREMENTS

<table>
<thead>
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<th>Course</th>
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<tr>
<td>EDUC 211 Educational Foundations and Multicultural Perspectives</td>
<td>(3)</td>
</tr>
<tr>
<td>EDUC 221 Educational Psychology ..................................................</td>
<td>(3)</td>
</tr>
<tr>
<td>EDUC 412 Secondary Curriculum and Media (capstone course) ............</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 432 Secondary Management and Methods (capstone course) ..........</td>
<td></td>
</tr>
<tr>
<td>EDUC 490 Student Teaching (capstone course) ..................................</td>
<td>6</td>
</tr>
</tbody>
</table>

GPA of 2.75 required to remain in Teacher Education Program.
TOTAL ........................................................................................................................................ 12

1Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

Special Education Sequence:
- SPED 371 Teaching Students with Special Needs (writing-intensive course) ........................................................................ 3
- SPED 374 Emotional and Behavioral Disorders in Children .................. 3
- SPED 477 Teaching Students with High Incidence Disabilities ....... 3
- SPED 485 Assessment and Behavior in Special Education ........... 3
TOTAL ........................................................................................................................................ 12

1Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

ELECTIVES

Minimum .................................................................................................................. 3
TOTAL MAJOR HOURS ................................................................................................. 72

OTHER GRADUATION REQUIREMENTS

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Grade</th>
<th>Hours</th>
<th>Minimum GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum grade for major courses ..............................................................</td>
<td>C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum GPA for graduation ........................................................................</td>
<td>2.75</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum advanced hours ................................................................................</td>
<td>33</td>
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<td></td>
</tr>
<tr>
<td>Minimum total hours ......................................................................................</td>
<td>128</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Courses numbered 0** do not count in minimum hours required for degree.

All-Level (EC through 12) Certification

All-Level teacher certification is offered in the following areas:
- Art (ARTT)
- Music (MTIA, MTPA or MTVA)
- Theatre (THED)
- Language and Literature: Spanish (SPNT)

For requirements in All-Level teaching certification degrees, see the catalog section of the appropriate department.

Supplements

Special Education

ADDING SUPPLEMENTAL SPECIAL EDUCATION CERTIFICATION TO AN INITIAL ELEMENTARY, ALL-LEVEL, MIDDLE SCHOOL OR HIGH SCHOOL TEACHER CERTIFICATE

This supplement will certify an individual to teach special education at the level and in the field of his/her certification. In addition to the requirements of the degree plan for their initial teacher certification, students will be required to take the following courses:
- SPED 374 Emotional and Behavioral Disorders in Children ........... 3
- SPED 477 Teaching Students with High Incidence Disabilities .... 3
- SPED 481 Teaching Students with Low Incidence Disabilities .... 3
- SPED 485 Assessment and Behavior in Special Education ........... 3
- SPED 488 Programs and Services in Special Education or EACH 363 Early Language and Literacy or EDUC 476
- Effective Teaching Strategies for English Language Learners ........ 3

Complete student teaching and courses in an approved teaching field.
TOTAL .................................................................................................................. 15

Course Descriptions

Please see the Course Descriptions section of this catalog (page 165). Courses offered by the Department of Teacher Education include those with the following designations: EACH, EDUC, READ, TECH, and SPED.
School of Nursing

Becky Hammack, MSN, EdD, RN, Dean
ACU Box 28035
Abilene, Texas 79699-8035
Office location: Zona Luce Room 211
Phone: 325-674-2081
Fax: 325-674-6256
Email: becky.hammack@acu.edu
Web: http://www.acu.edu/academics/nursing

Faculty
Anita Broxson, PhD, RN, Assistant Professor
Becky Hammack, MSN, EdD, RN, Associate Professor
Rachel Hewett, MSN, RN, Instructor
Diane Jackson, MSN, RN, Instructor
Rebecca Leggett, FNP-BC, RN, Instructor
Catherine Northrup, MSN, RN, Instructor
Marcia Straughn, MS, RN, CNE, Instructor
Creighton Wilson, FNP-C, RN, Instructor

Major: Nursing with a Bachelor of Science in Nursing (BSN)

School of Nursing Mission Statement
To inspire and educate students for excellence in professional practice in preparation for Christian leadership and service as professional nurses throughout the world.

Purpose/Introduction
The faculty at the School of Nursing believes that professional nursing curriculum of a BSN program should reflect the current professional practice environment in compliance with evidence-based standards and rules of regulatory organizations. The curriculum integrates the mission of the university. Foundational concepts for the curriculum reflect current issues and trends, and were developed from concepts derived from the Differentiated Essential Competencies of Baccalaureate Nursing Education (DECs) by the Texas Board of Nursing (2010) and the Essentials of Baccalaureate Education by the American Association of Colleges of Nursing (2008). The foundational concepts are organized under the DEC headings: The Member of Profession, Member of the Health Care Team, and the Texas Board of Nursing for the purpose of obtaining a criminal history from the Texas Department of Public Safety and the Federal Bureau of Investigations. (Section 301.252 (b) and Section 301.252 (eo) of the Texas Occupations Code)

Prior to the start of the nursing program at Abilene Christian University, all potential NCLEX applicants with outstanding eligibility issues that could prevent them from taking the NCLEX examination upon completion of the nursing program are required to complete a Declaratory Order application. Further information and forms can be retrieved on the following website: http://www.bon.texas.gov. This process permits the Board to make decisions regarding an applicant’s eligibility for licensure prior to entering a nursing program. The list below further delineates possible incidences of that may prevent eligibility and require a Declaratory Order application:

I. For any criminal offense, including those pending appeal, have you:
   A. Been convicted of a misdemeanor*?
   B. Been convicted of a felony?
   C. Pled nolo contendere, no contest, or guilty?
   D. Received deferred adjudication?
   E. Been placed on community supervision or court-ordered probation, whether or not adjudicated guilty?
   F. Been sentenced to serve jail or prison time? Court-ordered confinement?
   G. Been granted pre-trial diversion?
   H. Been arrested or have any pending criminal charges?
   I. Been cited or charged with any violation of the law?
   J. Been subject of a court-martial; Article 15 violation; or confinement?

II. Within the past (5) years have been addicted to and/or treated for the use of alcohol or any other drug?

III. Within the past (5) years have been diagnosed with, treated, or hospitalized for schizophrenia and/or psychotic disorder, bipolar disorder, paranoid personality disorder, antisocial personality disorder, or borderline personality disorder?

You may only exclude Class C misdemeanor traffic violations.

Lower-Level Requirements
All freshmen students accepted for admission, and stating a preference for nursing as a major, will be placed in lower-level general education, core and nursing pre-requisite courses. Acceptance into the lower-level courses, however, does not guarantee that students will be selected for enrollment in the School of Nursing.

School of Nursing Admission Requirements
Students must meet all university degree requirements. A separate
admission process is required for students to be admitted to the School of Nursing. Admission is competitive, and the size of the classes is determined by the Texas Board of Nursing. Admission to Abilene Christian University does not guarantee admission to School of Nursing.

1. Students must apply for admission to the School of Nursing. The deadline for submitting application for admission in the fall semester is the first week of February of the same year. Students are required to take a nursing admission assessment exam. Late applications will be reviewed after initial admission decisions are made.

2. The School of Nursing will review all applications with at least 60 hours completed with a minimum cumulative grade point average (GPA) of 3.0 based on a 4.0 scale. Courses in the supplement for major (see nursing degree plan) completed with a letter grade less than "C," or 2.0 on a 4.0 scale, will not be accepted toward the Bachelor of Science in Nursing degree.

3. Five courses listed under Supplement for the Major (not including labs) must be completed before turning in the application for admission. All courses listed under the Supplement for the Major must be completed before entering the School of Nursing. Students must complete all other prerequisite courses within the first year of admission to the School of Nursing.

4. Once accepted to the School of Nursing, students must submit the following:
   a) Certified Nursing Assistant Certificate
   b) Essential performance form (provided by the School of Nursing) that attests to the ability of the student to meet emotional, cognitive, and physical requirements of the program.
   c) Proof of immunizations and lab tests (a list will be provided by the School of Nursing)
   d) Documentation of Health Insurance
   e) Drug screen at a designated lab (further information is provided by the School of Nursing). Students may also be required to submit to random drug screenings in order to practice in the clinical facilities.
   f) Completed criminal background check required by the Texas Board of Nursing.
   g) Proof of current CPR certification (American Heart Association Basic Life Support for Health Care Providers is required).
   h) Professional liability insurance (included in the student’s tuition costs) is required

5. Applicants seeking admission by transfer must meet all of the same standards required of those students who have matriculated at ACU.

6. In order for a student to meet program requirements for the completion of the BSN curriculum, the student must demonstrate minimal competency in nursing theory and practice. This competency is demonstrated through successful scoring on the identified exit exam.

7. Students seeking the Bachelor of Science in Nursing (BSN) may take a minor outside the School of Nursing. This minor is NOT required as a part of the BSN degree, and credit hours beyond the minimum hours required may be needed to complete the minor.

---

**NURSING (BSN)**

Admission to the School of Nursing is a prerequisite to all nursing courses (or approval by the School of Nursing Dean).

---

**BSN: NURSING DEGREE PLAN (NURS)**

**UNIVERSITY REQUIREMENTS**

Please see the University Requirements section of this catalog (page 37).

**MAJOR REQUIREMENTS**

**Nursing**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 250</td>
<td>3</td>
</tr>
<tr>
<td>NURS 320</td>
<td>2</td>
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<tr>
<td>NURS 330</td>
<td>3</td>
</tr>
<tr>
<td>NURS 350</td>
<td>4</td>
</tr>
<tr>
<td>NURS 351</td>
<td>3</td>
</tr>
<tr>
<td>NURS 352</td>
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<tr>
<td>NURS 360</td>
<td>4</td>
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<td>NURS 361</td>
<td>4</td>
</tr>
<tr>
<td>NURS 370</td>
<td>2</td>
</tr>
<tr>
<td>NURS 371</td>
<td>2</td>
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<tr>
<td>NURS 380</td>
<td>3</td>
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<tr>
<td>NURS 430</td>
<td>2</td>
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<tr>
<td>NURS 431</td>
<td>2</td>
</tr>
<tr>
<td>NURS 450</td>
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<tr>
<td>NURS 453</td>
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<td>NURS 464</td>
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<tr>
<td>NURS 475</td>
<td>6</td>
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<tr>
<td>NURS 476</td>
<td>3</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>60</strong></td>
</tr>
</tbody>
</table>

---

**SUPPLEMENT FOR MAJOR**

**Mathematics**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 123</td>
<td>3</td>
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</table>

**Psychology**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 232</td>
<td>3</td>
</tr>
</tbody>
</table>

**Science**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>BIOL 291/293</td>
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</tr>
<tr>
<td>BIOL 292/294</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 353/354</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 113</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 114</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total** 12

1 Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

**ELECTIVES**

Minimum 3

**TOTAL MAJOR HOURS** 75

---

**OTHER GRADUATION REQUIREMENTS**

Minimum for all Major Requirements and Supplement for Major...C

Minimum total hours 128

Courses numbered 0** do not count in minimum hours required for degree.
**Interdisciplinary Degrees and Majors**

In addition to programs offered by the undergraduate colleges at ACU, the university offers programs that require courses from more than one college. These programs offer students an opportunity for significant enhancement to their education. The university offers a certificate program in gerontology. An individually designed composite interdisciplinary degree is a special opportunity for the student whose career goals are not met by a departmental major.

**Health Professions Cooperative Degree**

Jim Nichols, Advisor for Biology Track  
ACU Box 27868  
Abilene, Texas 79699-7868  
Foster Science Building, Room 477  
Phone: 325-674-2188  
Fax: 325-674-2009  
Email: nicholsj@acu.edu  
Web: www.acu.edu/biology

Kim Pamplin, Advisor for Biochemistry Track  
ACU Box 28132  
Abilene, Texas 79699-7868  
Foster Science Building, Room 256  
Phone: 325-674-2176  
Fax: 325-674-6988  
Email: pamplink@acu.edu  
Web: www.acu.edu/chemistry

**Introduction**

The Department of Biology and the Department of Chemistry and Biochemistry offer the BS degree in cooperation with some professional schools. In this program a bachelor’s degree is awarded to certain qualified students who have satisfactorily completed three years of prescribed work at ACU plus one year at a recognized professional school. Students in the cooperative degree program are advised by the advisors for health professions as well as a departmental advisor in either the Department of Biology or the Department of Chemistry and Biochemistry. Two tracks are available for students pursuing this program: biology and biochemistry.

### **BS: HEALTH PROFESSIONS COOPERATIVE DEGREE PLAN (HPCO) - BIOLOGY AND BIOCHEMISTRY TRACKS**

**UNIVERSITY REQUIREMENTS**

Please see the University Requirements section of this catalog (page 37). HPCO degree plans only require 12 hours of Bible and 53 hours of university core.

**CHOOSE ONE OF THE FOLLOWING TRACKS:**

**BIOLOGY OR BIOCHEMISTRY**

<table>
<thead>
<tr>
<th>MAJOR AND SUPPLEMENT REQUIREMENTS – BIOLOGY TRACK (BIOL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
</tr>
<tr>
<td>BIOL 112/114 General Biology I/Lab .............................. (3)¹</td>
</tr>
<tr>
<td>BIOL 113/115 General Biology II Lecture/Lab .................... 4</td>
</tr>
<tr>
<td>BIOL 221/223 Animal Biology Lecture/Lab or BIOL 222/224 Plant Biology Lecture/Lab .................... 4</td>
</tr>
<tr>
<td>BIOL 312 Cell Biology .................................................. 3</td>
</tr>
<tr>
<td>BIOL 497 Seminar in Biology (capstone and writing-intensive course) .................................................. 3</td>
</tr>
<tr>
<td>BIOL 300-499 ..................................................................... 8</td>
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</table>

<table>
<thead>
<tr>
<th>Chemistry</th>
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<tbody>
<tr>
<td>CHEM 133 General Chemistry I ...................................... (3)¹</td>
</tr>
<tr>
<td>CHEM 131 General Chemistry I Lab .................................. 1</td>
</tr>
<tr>
<td>CHEM 132/134 General Chemistry II Lecture/Lab ............... 4</td>
</tr>
<tr>
<td>CHEM 221/223 Organic Chemistry I Lecture/Lab .................. 4</td>
</tr>
<tr>
<td>CHEM 322/324 Organic Chemistry II Lecture/Lab ............... 4</td>
</tr>
<tr>
<td>CHEM 300-499 ..................................................................... 3</td>
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<table>
<thead>
<tr>
<th>Mathematics*</th>
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<tbody>
<tr>
<td>MATH 124 Precalculus II or MATH 185 Calculus I ................ (3)¹</td>
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<table>
<thead>
<tr>
<th>Physics</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 110/111 General Physics I Lecture/Lab .................... 4</td>
</tr>
<tr>
<td>PHYS 112/113 General Physics II Lecture/Lab .................... 4</td>
</tr>
</tbody>
</table>

| TOTAL ..................................................................... 47 |

*Calculus is required for students in pre-medicine and pre-veterinary medicine and is recommended for pre-dentistry students.

¹Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

### **MAJOR AND SUPPLEMENT REQUIREMENTS – BIOCHEMISTRY TRACK (BCHP)**

<table>
<thead>
<tr>
<th>Chemistry</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 133 General Chemistry I ...................................... (3)¹</td>
</tr>
<tr>
<td>CHEM 131 General Chemistry I Lab .................................. 1</td>
</tr>
<tr>
<td>CHEM 132/134 General Chemistry II Lecture/Lab ............... 4</td>
</tr>
<tr>
<td>CHEM 221/223 Organic Chemistry I Lecture/Lab .................. 4</td>
</tr>
<tr>
<td>CHEM 322/324 Organic Chemistry II Lecture/Lab ............... 4</td>
</tr>
<tr>
<td>CHEM 355 Analytical Chemistry I or CHEM 356 Analytical Chemistry II ............... 4</td>
</tr>
<tr>
<td>CHEM 423 Chemistry and Biochemistry Seminar (capstone and writing-intensive course) ............... 3</td>
</tr>
<tr>
<td>CHEM 453/463 Biochemistry I Lecture/Lab ........................ 4</td>
</tr>
<tr>
<td>CHEM 454/464 Biochemistry II Lecture/Lab ....................... 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Biology</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 112 General Biology I .......................................... (3)¹</td>
</tr>
<tr>
<td>BIOL 114 General Biology I Lab ..................................... 1</td>
</tr>
<tr>
<td>BIOL 113/115 General Biology II Lecture/Lab .................... 4</td>
</tr>
<tr>
<td>BIOL 312 Cell Biology .................................................. 3</td>
</tr>
<tr>
<td>BIOL 300-499 ..................................................................... 3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Mathematics*</th>
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<tbody>
<tr>
<td>MATH 131 Calculus for Application ................................ (3)¹</td>
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<table>
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<tr>
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<tbody>
<tr>
<td>PHYS 110/111 General Physics I Lecture/Lab .................... 4</td>
</tr>
<tr>
<td>PHYS 112/113 General Physics II Lecture/Lab .................... 4</td>
</tr>
</tbody>
</table>

| TOTAL ..................................................................... 47 |

¹Hours (in parentheses) may also fulfill university requirements and are not included in total major hours

### **ELECTIVES**

General electives (may include deficiency). Courses in psychology, sociology, economics, and government are recommended. Pre-veterinary students should take courses in animal science and nutrition and 6 hours of political science.

| Minimum (Biology Track) .............................................. 4 |
| Minimum (Biochemistry Track) ....................................... 4 |
| TOTAL MAJOR HOURS (Biology Track) ................................ 50 |
| TOTAL MAJOR HOURS (Biochemistry track) ......................... 50 |

### **PROFESSIONAL SCHOOL REQUIREMENT**

ACU awards the bachelor’s degree to certain qualified students who have satisfactorily completed three years of prescribed work at ACU (a minimum of 104 hours) plus one year at a recognized professional school. Students in the cooperative degree program are advised by the advisors for health professions and an advisor in the Department of Biology or the Department of Chemistry and Biochemistry.

### **OTHER GRADUATION REQUIREMENTS**

| Minimum GPA in major .................................................. 2.00 |
| Minimum GPA for graduation .......................................... 2.00 |
| Minimum total hours (Biology Track) .............................. 104 |
| Minimum total hours (Biochemistry Track) ......................... 104 |
Composite Interdisciplinary Major

Office of the Registrar
ACU Box 29141
Abilene, Texas 79699-9141
Hardin Administration Building, Room 207
Phone: 325-674-2300
Fax: 325-674-2238
Email: registrar@acu.edu

A composite interdisciplinary Bachelor of Arts or Bachelor of Science may be designed to meet the student’s needs.

The Master of Liberal Arts in interdisciplinary studies is available. See the Graduate School section of this catalog (page 128).

Introduction

An individualized composite interdisciplinary major may be approved for a student whose life and career goals will be served by such a major. The student must work with the appropriate academic advisor(s) and the director of curriculum to design the degree plan, which will include the University Requirements. The director of curriculum will then assign a primary and secondary advisor to work with the student.

The “Composite Interdisciplinary Major” (CIND) is a special academic program that is designed to allow a student to integrate studies from multiple disciplines in the baccalaureate curriculum. This major builds upon a core of classes from different majors and combines them to create a degree plan satisfying some or all of the learning outcomes for multiple disciplines. Students may choose either the BA or BS degree for the CIND major. The student transcript after being awarded a degree includes the CIND major, as well as listed concentrations for each of the disciplines that comprised the major.

ACU also offers an interdisciplinary major (CIND) with a liberal studies emphasis, which follows a degree plan for the learning outcomes of the University Requirements and encompasses a broad learning initiative in elective hours across a number of disciplines. The liberal studies emphasis of this major does not include multiple disciplines, as liberal studies is a multidisciplinary study. Consequently, the student transcript only reflects the CIND major and a concentration in liberal studies, with no other disciplines listed.

Admission Requirements

Before being admitted to a composite interdisciplinary program, the student must have the following approvals:

- Department chairs from each area of study represented within the CIND degree plan must approve the course selection from that discipline, including finalizing required courses from that major that must be included in the degree plan. The student will gather learning outcomes from each department they wish to include in the major.
- The Registrar’s Office must ensure that the plan meets the general graduation requirements for the University, and that areas selected for the CIND major are areas in which the university is approved to grant degrees (including minors), based on the catalog.
- The student must have fewer than 90 earned hours to declare a traditional, multidisciplinary CIND major. Students with 90 hours or more are limited to the liberal studies CIND major.
- A student must satisfy all requirements listed in the ACT/SAT Placement Information section of this catalog on page 20.

University Requirements

The composite interdisciplinary major will include the University Requirements appropriate to the BA or BS major.

Major Requirements

The composite interdisciplinary major will include all graduation requirements for the appropriate degree (BA or BS) as well as any special graduation requirements necessary to fulfill the student’s goals. The degree plan, which will exceed the minimums for a major (see General Requirements for the Baccalaureate Degree) in the chosen BA or BS degree, can combine significant elements from two or more majors. Combined areas such as social sciences, humanities, behavioral sciences, fine arts or natural sciences may be used as one academic area. Minimum GPA requirements, both within major and cumulative, will be determined by the departments and programs involved. The major may include a minor, supplement and support areas. Generally, the degree will not exceed 128 hours; however, an interdisciplinary degree may exceed 128 hours with the student’s understanding that the hours are necessary to satisfy the departmental elements that the student wishes to include in the major.

General Electives

Electives may be used to build the interdisciplinary degree if necessary.

Applying for a CIND Degree Plan

Students who wish to inquire about a CIND major should begin in the Registrar’s Office for the appropriate forms and advising about the major.

Interdisciplinary Minor in Philosophy

Paul Morris, Advisor
ACU Box 27963
Abilene, Texas 79699-7963
Foster Science Building, Room 317
Phone: 325-674-2165
Fax: 325-674-2146
Email: morrisp@acu.edu

Introduction

Philosophy examines questions in every aspect of human life, and its methods apply to problems in every discipline. The study of philosophy allows one to develop the capacity to see the world from the perspective of other individuals and cultures; it enhances one’s ability to perceive the relationships among various academic disciplines; it deepens one’s sense of the meaning and variety of human experience; and it teaches critical techniques that are invaluable in all aspects of life.

A true liberal arts education must include a study and analysis of the ideas of the great thinkers of the world. Our world views and ideas are formed in the context of history, and we as citizens of the world and Christians have the responsibility to be aware of where our thoughts come from and what previous ideas influenced our own. There are many philosophies in the world today, and we cannot adequately respond to them or criticize them without some knowledge of their philosophical genesis.

The philosophy minor at ACU is designed to prepare a student who wishes to pursue graduate study in philosophy, to supply knowledge for a philosophical basis for the other disciplines, or simply to satisfy the curious mind.

PHILOSOPHY MINOR

<table>
<thead>
<tr>
<th>MINOR: PHILOSOPHY (PHIL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 275 Introductory Logic and Critical Thinking or PHIL 486 Ethics</td>
</tr>
<tr>
<td>PHIL 380 Introduction to Philosophy</td>
</tr>
<tr>
<td>PHIL 487 History of Ancient and Medieval Philosophy</td>
</tr>
<tr>
<td>PHIL 489 History of Modern Philosophy</td>
</tr>
<tr>
<td>Choose 2 courses from: PHIL 275, 378, 379, 451, 478, 486, 490 or 491</td>
</tr>
<tr>
<td>TOTAL .......................................................... 18</td>
</tr>
</tbody>
</table>

Courses numbered 0** do not count in minimum hours required for degree.
**Interdisciplinary Minor**

**Aging Studies**

Charlie D. Pruett, *Director*

Pruett Gerontology Center

ACU Box 27793

Abilene, Texas 79699-7793

Hardin Administration Building, Room 118

Phone: 325-674-2350

Fax: 325-674-6804

Email: charlie.pruett@gero.acu.edu

Web: www.acu.edu/gerontology

A Minor in Aging Studies is a value added complement to many undergraduate majors. The growing number of older adults in the nation and the world is creating opportunities for most majors to focus on leading and serving an aging population.

The minor may be obtained through the Pruett Gerontology Center and the College of Education and Human Services as a specialization in conjunction with any other degree.

**Introduction**

Job potential in the rapidly expanding field of aging studies includes social work, family services, health care, retirement home industry, a broad area of non-profit organizations, communities of faith, public agencies, research opportunities, and a host of other positions in the network of professionals serving the older adult.

The undergraduate student, in consultation with the advisor, will design a program of study that will meet the individual student’s need in the area of gerontology.

**MINOR IN AGING STUDIES**

**MINOR: AGING STUDIES (AGST)**

Obtained through Pruett Gerontology Center and the College of Education and Human Services in conjunction with a degree from certain other disciplines.

**MINOR REQUIREMENTS**

Aging Studies Core (9 hours)

GERO 350 Sociology of Aging ..................................................... 3
GERO 352 Adult Development and Aging .................................... 3
GERO 495 Practicum in Gerontology ........................................... 3

Aging Studies Electives from the following (9 hours) ................. 9

BIOL 448 Biology of Aging
COMP/GERO 479 Programs and Services for the Aging
FAM 454 Aging and the Family
GERO 437 Ministry to the Older Adult
HED 410 Death Education
KINE 475 Physical Activities and Aging
NURS 320 Gerontologic Nursing (2 hours)
SOCI 415 Social Research (if project in aging)
SOCW/GERO 441 Social Welfare Policy and Services

**TOTAL** ................................................................. 18

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**Course Descriptions**

Please see the *Course Descriptions* section of this catalog (page 165). Courses offered in the Gerontology Program include those with the following designation: GERO.

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**Interdisciplinary Certificate**

**Gerontology**

Charlie D. Pruett, *Director*

Pruett Gerontology Center

ACU Box 27793

Abilene, Texas 79699-7793

Hardin Administration Building, Room 118

Phone: 325-674-2350

Fax: 325-674-6804

Email: charlie.pruett@gero.acu.edu

Web: www.acu.edu/gerontology

The Certificate of Studies in Gerontology may be obtained through the Pruett Gerontology Center and the College of Education and Human Services as a specialization in conjunction with a degree from many other disciplines.

**Introduction**

Job potential in the rapidly expanding field of gerontology includes the retirement home industry, service to older persons in a church setting, work with public agencies, research opportunities and a host of other positions in the network of professionals serving the older adult.

The undergraduate student, in consultation with the advisor, will design a program of study that will meet the individual student’s need in the area of gerontology.

**GERONTOLOGY CERTIFICATE**

**CERTIFICATE: GERONTOLOGY (GERO)**

Obtained through Pruett Gerontology Center and the College of Education and Human Services in conjunction with a degree from certain other disciplines; or

Obtained as an independent credential certification of student’s successful completion of a nationally recognized course of study in aging.

**CERTIFICATE REQUIREMENTS**

Gerontology

GERO 350 Sociology of Aging ..................................................... 3
GERO 352 Adult Development and Aging .................................... 3
GERO 495 Practicum in Gerontology ........................................... 3

Gerontology Selections (2 courses)

Chosen with gerontology advisor’s approval .............................. 6

**TOTAL** ................................................................. 15

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**Course Descriptions**

Please see the *Course Descriptions* section of this catalog (page 165). Courses offered in the Gerontology Program include those with the following designation: GERO.
ACU Online

Corey Patterson, Director of Operations
ACU Box 29140
Abilene, TX 79699-9140
Brown Library, Room 319
Phone: 325-674-2650
1-800-460-6228
Email: gradinfo@acu.edu
Web: acu.edu/grad

Online Program Design
ACU Online provides students with the convenience of online education and the quality of ACU instruction. The online programs are designed for working professionals. The format allows students to concentrate on one course at a time and complete it before beginning the next.

Each academic year has three semesters; each online semester consists of two sessions, there are six sessions per year. Students may begin in any of the six sessions. The dates of these sessions and other important dates regarding course enrollment are included in the ACU Online Academic Calendar. Most graduate students begin with an 8-week introductory course. All remaining courses are 7 weeks in duration. The online program courses are not self-paced but are designed to allow for flexibility in meeting the scheduling needs of busy professionals.

PLEASE NOTE: Students must have access to a computer with an Internet connection (high speed Internet access recommended). Students also need a DVD player and sufficient technical proficiency for the online environment. Students must be able to open and send documents with MS Word, Excel, and PowerPoint formats, and have email capabilities.

ACU Online Programs
Doctorate of Education
  - Organizational Leadership
Master of Arts
  - Conflict Resolution and Reconciliation
Master of Business Administration*
Master of Education
  - Leadership of Learning
  - Higher Education
Master of Science
  - Organizational Development
Certificate of Graduate Study
  - Conflict Resolution
  - Conflict Resolution for Educators
  - Enrollment Management
  - Leadership of Digital Learning
  - Superintendency

*Pending approval from the Southern Association of Colleges and Schools Commission on Colleges

Enrollment
Students enrolled in the online programs are expected to maintain continuous enrollment for the duration of the program. This allows students to build relationships within the online community. To register for courses, contact the Student Services Advisor for your degree program (See ACU Online Programs for contact information [page 126]).

Please note: Due to the rotating schedule of classes offered, withdrawing from a class may prolong time to graduation and affect financial aid.

Add/Drop Period
Begins with pre-registration until the day before the course is scheduled to begin.

Drop
Removal of course registration (registration does not show on transcript).

Withdraw
Student stops course work after the course begins. The student must submit a request to withdraw from the course and a grade of "W" shows on the transcript.

Withdraw from the University
After course work begins, a student withdraws from all courses for the semester. If a student is not returning the next semester, this initiates a process to end university student services.

Semester/Term
ACU credits are based on the semester system. The academic semester (term) is 15 weeks plus one week for final examinations. The online program schedule is set-up to host two sessions.

Admission Requirements
ACU is committed to providing equal educational opportunities for students without regard to race, color, sex, creed, handicap, genetic information or national origin. As a private educational institution, however, ACU reserves the right to deny admission to any applicant whose academic preparation, character or personal conduct is determined to be inconsistent with the purposes and objectives of the University.

Admission Criteria
All admission criteria, procedures, and forms are available at acu.edu/grad. An application fee of $100 is required before the file is reviewed for admission.

International student admission for the online programs will not require the submission of international admission forms since no student visa will be issued. A TOEFL score will be required in addition to the regular admission materials.

Accuracy of Material
All application material submitted must be accurate. Any erroneous, misleading, or incomplete information may be grounds for termination. Students taking any graduate or undergraduate coursework between the date of acceptance and the date of first course enrollment at ACU must submit official transcripts for that work before beginning their program at ACU.

Delayed Admission
Students who receive an official letter of acceptance will be informed that the acceptance is available only for the semester indicated. Students who wish to change their entry date must request a later start date in writing before the beginning of the semester of original admission. Application files are only maintained for one year past original admission date. Applicants who delay their start date for more than one year without notification should expect to begin the application process again, including fees and all required materials. Contact the Student Services Advisor for your degree program.

Readmission Policy
If a student drops out of an online program for more than one calendar year, the student will need to apply as if they are a new student entering the program, meeting all requirements and fees.

Academic Information
This section includes policies specific for students in ACU online programs. For complete academic information (i.e. GPA requirements, transfer credits, graduation, probation, suspension, degree time limit, etc.), see the Graduate School section (page 128) of this catalog.

Students will be governed by the catalog in effect when they actually begin coursework at ACU. The time limit for completing the degree will begin with the first enrollment in the graduate program.

Glossary of Terms

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add/Drop Period</td>
<td>Begins with pre-registration until the day before the course is scheduled to begin.</td>
</tr>
<tr>
<td>Drop</td>
<td>Removal of course registration (registration does not show on transcript).</td>
</tr>
<tr>
<td>Withdraw</td>
<td>Student stops course work after the course begins. The student must submit a request to withdraw from the course and a grade of &quot;W&quot; shows on the transcript.</td>
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<td>After course work begins, a student withdraws from all courses for the semester. If a student is not returning the next semester, this initiates a process to end university student services.</td>
</tr>
<tr>
<td>Semester/Term</td>
<td>ACU credits are based on the semester system. The academic semester (term) is 15 weeks plus one week for final examinations. The online program schedule is set-up to host two sessions.</td>
</tr>
</tbody>
</table>
Add/Drop Policy
Students may drop or add courses during the add/drop period for a full refund.

<table>
<thead>
<tr>
<th>Before the course start date</th>
<th>100% Refund</th>
</tr>
</thead>
<tbody>
<tr>
<td>First day of the course</td>
<td>No refund for withdrawal after course starts</td>
</tr>
</tbody>
</table>

A full refund is only given if a course is dropped prior to the course start date. Contact the Student Services Advisor for your degree program for help with dropping a course.

NOTE: Dropping a Session 2 course may affect financial aid eligibility and result in disbursed aid needing to be returned. For more information, contact the student account coordinator.

Withdrawal from a Course
If it becomes necessary to withdraw from a course, the student should first visit with his or her Student Services Advisor and facilitator of the course. The last day to withdraw from an online course is the corresponding day when 80 percent of the course is completed. There is no tuition refund once a session begins.

Withdrawal from the University
Students who must withdraw from all courses for the semester are required to withdraw from the university. Contact the Student Services Advisor for your program for information on withdrawing from the university. This process must be completed prior to the final week of the session. Students may not withdraw from the university after completion of a Session 1 course.

Academic Integrity
ACU expects its students to practice absolute academic integrity. Plagiarism, cheating and other forms of academic dishonesty are not acceptable at ACU. Students should consult the university’s Academic Integrity Policy for a full description of the expectations of students and procedures for dealing with violations of the policy (located in the policies section of the Student Guide at www.acu.edu/studentlife).

Changing/Adding a Major
Contact your Student Services Advisor to request a change or addition of degree or major. Changes are effective the next long semester of enrollment.

Grades
Due to the interactive nature and fixed duration of the online courses, students may not receive "I" (Incomplete) or "IP" (In Progress) grades for online courses. Students unable to complete course requirements must withdraw or receive the grade they have earned without completing the course requirements. Contact the course facilitator and Student Services Advisor if an exceptional circumstance occurs after the withdraw date before the end of the course that prevents successful completion.

For more information concerning grades, see the following information located in the Graduate School section of this catalog (page 128):
- Grades (page 130)
- Low Grades (page 132)
- Academic Probation and Suspension (page 132)
- Degree Time Limit (page 132)
- Dismissal (page 132)
- Exception Requests (page 132)
- Grade Appeals and Grievances (page 132)

Capstone Project/Practicum Continuation Policy
Students needing to extend the time to complete practicum or capstone projects must request an extension. Upon approval by the program director, students will be enrolled in GRAD 696 Capstone Project/Practicum Continuation and be charged a continuation fee. The continuation course is zero credit hours and the fee is equivalent to half-hour of tuition for each session of the extension (maximum of one-hour of tuition per semester).

Concurrent Enrollment Policy
ACU students are generally expected to take their courses at ACU. Only in exceptional circumstances may students petition, in advance, to receive credit for a course at another institution during a semester that they are enrolled for courses at ACU. Concurrent enrollment includes correspondence, distance, and online courses. Petitions for concurrent enrollment must be approved by the advisor, dean of the student’s major, and the provost. By government regulations, only courses taken within the intercollegiate agreement (ACU, Hardin-Simmons and McMurry), and other contracted programs that post grades to the ACU transcript, can be accepted for financial aid eligibility. Generally, courses from other colleges or universities will not count as hours enrolled for financial aid eligibility.

Credit Hour Definitions for Online Courses
The federal definition of a credit hour is as follows:
An amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates: (1) Not less than one hour of classroom or direct faculty instruction and a minimum of two hours out of class student work each week for approximately fifteen weeks for one semester or trimester hour of credit or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time, or (2) At least an equivalent amount of work as required outlined in item 1 above for other academic activities established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

In determining the number of credit hours attributed to an online course, the sum of estimated student time spent in all class activities combined should reach the sum of the federal definition as stated above for credit hour expectations. For example, a 3-credit-hour online course offered in a seven week timeframe should require a minimum of 135 hours of student time spent on class activities.

Activities that may qualify as "hours outside of class" would have the direct oversight or supervision of the course instructor. Examples include:
- Interaction with posted modules or lessons written or procured by the instructor
- Chat room, phone, in-person, email, or video-conference discussions with the instructor and/or other students
- Discussion board or wiki posting
- Presentations

Activities that may qualify as "hours outside of class" are independently pursued and would include:
- Reflection and study
- Research
- Reading
- Writing, particularly writing outside of discussion boards
- Individual or group projects
Courses taught in an online format must be equivalent to the same courses taught in the traditional format. The following guidelines will be used in online course development:

- The course syllabus should document that the course covers the same material and achieves the same student learning outcomes that would normally be expected for a traditional campus-based course. Examples of clear documentation include student learning outcomes, course objectives, course topics, and course activities (i.e. reading, assignments, discussion, projects, etc.).
- During the planning and development of online courses, faculty should estimate the amount of time the typical student will take interacting with course content. This should be equivalent to the amount of time normally expected in a campus-based course.
- Class attendance and participation may be determined by reviewing the LMS course analytics for each student, which provides detailed information about the number of pageviews and participations for each student.
- Courses developed specifically for online delivery must be approved through the same academic approval processes as campus-based courses, however transitioning a campus-based course to an online format does not require additional approvals.

Other Information
For more information, please see the following:
- Graduation (page 133)
- About This Catalog (page 134)
- Legal Notices (page 9)
- Financial Information (page 133)

Graduate School
Donnie Snider, Interim Dean
ACU Box 29140
Abilene, Texas 79699-9140
Brown Library Room 332A
Phone: 325-674-2223
800-395-4723
Fax: 325-674-6717
Email: gradinfo@acu.edu
Web: www.acu.edu/grad

Philosophy and Mission
The mission of Abilene Christian University is to educate its students for Christian service and leadership throughout the world. The mission of the Graduate School is to encourage advanced learning by providing high-quality graduate education in select areas. Graduate programs are designed to promote leadership, service, intellectual growth, self-motivation, and integrity within a context of Christian values.

Educational Outcomes
An education for Christian service and leadership differs from other types of education primarily in its unifying emphasis on Christian values. Faculty and students at ACU work together toward spiritual, social, intellectual, and professional goals in undergraduate and graduate programs in both liberal and professional studies.

Ideally, graduates of baccalaureate programs who have gone through the university curriculum and spent four or more years on campus should:

1. Speak and write effectively in English as a result of clear thinking and extensive reading, writing and observation;
2. Be proficient in planning, calculating, organizing ideas, and solving problems;
3. Engage in meaningful and productive careers and/or pursue additional graduate or professional education;
4. Conduct their daily lives in a way that fosters mental and physical health and well-being;
5. Possess a sensitivity to people, an appreciation of the arts and sciences, a sense of history, an international perspective, and an understanding of the interrelatedness of things;
6. Function effectively as citizens, workers and educated members of society, providing service and leadership in the activities of home, occupation or profession, church, community, country, and the world; and
7. Base their lives on a carefully thought-out philosophy that emphasizes Christian faith and commitment, personal integrity, open-mindedness, respect, and concern for all human beings, and a desire to be responsible stewards of personal and natural resources.

Graduate programs at ACU build on these seven undergraduate outcomes in discipline-specific ways. In addition, those who graduate from master’s programs at ACU should:

1. Be able to review and critically analyze original research, and, in disciplines where appropriate, be able to conduct research projects;
2. Demonstrate expertise in a specialized area at the level to achieve professional certification or licensure, to be admitted to a doctoral program, or to perform successfully in a chosen career field;
3. Be able to articulate, critically analyze and synthesize foundational theories and philosophies undergirding his or her academic discipline;
4. Analyze axiological assumptions and philosophies of the field from a Christian perspective; and
We believe that individuals who possess the above competencies will have a love of learning and will pursue truth and significance in every experience throughout their lives.

**Faculty and Learning Resources**

The university has assembled a competent and outstanding group of scholars and experts on our faculty. To be a member of the graduate faculty, a faculty member must demonstrate competence in teaching and dedication to scholarship in the field. He or she must also hold a terminal degree or document exceptional qualifications to teach at the graduate level. Students will get to know the faculty, who are highly visible in their professional organizations and are recognized internationally, nationally and regionally for their research, teaching and creative presentations. Beyond their professional expertise, ACU faculty are committed to mentoring graduate students through individual contact and personal example.

To create a community of learners, ACU encourages small interactive graduate classes and supports learning opportunities in and out of the classroom. ACU graduate students have access to nationally-known experts through our state-of-the-art learning technology and computer laboratories. ACU encourages interaction across disciplines through graduate student activities and symposia. Students also have opportunities for applied learning activities throughout the community and region.

**Accreditation**

Abilene Christian University enjoys a strong national reputation as one of the leading private Christian universities in the west and southwest, indicated by various ratings (such as *U.S. News and World Report* and other reports). In addition to the university’s accreditation by the Southern Association of Colleges and Schools, individual graduate programs are accredited by the following agencies:

- Association to Advance Collegiate Schools of Business (AACSB International)
- American Association for Marriage and Family Therapy (AAMFT/COAFTE)
- American Speech-Language and Hearing Association (ASHA)
- Association of Theological Schools (ATS)
- Accreditation Council for Education in Nutrition Dietetics (ACEND)
- Commission on Collegiate Nursing Education (CCNE)
- Council on Social Work Education (CSWE)
- Teacher Education Accreditation Council (TEAC)

The entry-level occupational therapy master’s degree program has applied for accreditation by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449. ACOTE’s telephone number c/o AOTA is (301) 652-AOTA and its Web address is www.acoteonline.org.

The Master of Science in Occupational Therapy program has received Candidacy Status from the Accreditation Council for Occupational Therapy Education (ACOTE). Pre-accreditation status was denied. The on-site visit is scheduled for June 2016. The final accreditation decision will be made at the August 2016 ACOTE Board meeting.

In addition, some ACU Programs hold approval by state or national associations:

- Board of Nurse Examiners for the State of Texas
- National Association of School Psychologists (NASP)**
- Teacher Education Accreditation Council (TEAC)

ACU is also a member of the Council of Graduate Schools, the Council of Southern Graduate Schools, and the Texas Association of Graduate Schools.

**Degrees Offered**

Some degrees have various tracks available.

**Doctor of Ministry (DMin)**
- Leadership of Learning
- Higher Education

**Doctorate of Education (Ed.D.)**
- Organizational Leadership

**Master of Accountancy (MAcc)**

**Master of Arts in Christian Ministry (MACM)**
- Leadership of Learning
- Higher Education

**Master of Arts (MA)**
- Leadership of Learning
- Higher Education

**Master of Business Administration (MBA)**
- Leadership of Learning
- Higher Education

**Master of Education (MEd)**
- Interdisciplinary Studies, Liberal Arts

**Master of Liberal Arts (MLA)**
- Interdisciplinary Studies, Liberal Arts

**Master of Marriage and Family Therapy (MMFT)**
- Interdisciplinary Studies, Liberal Arts

**Master of Science (MS)**
- Clinical Psychology, Communication Sciences and Disorders, Counseling Psychology, Organizational Development, Psychology, Occupational Therapy

**Master of Science in Social Work (MSSW)**
- Leadership of Learning
- Higher Education

**Specialist in School Psychology (SSP)**
- Leadership of Learning
- Higher Education

**Graduate Certificates**

- Biblical Studies, Conflict Resolution, Enrollment Management, Gerontology, Heritage Development, Dietetic Internship, Leadership of Digital Learning, School Superintendent, Social Services Administration

Graduate courses are also available in several supporting fields.

Anyone interested in more information should contact the Graduate School.

*Pending approval from the Southern Association of Colleges and Schools Commission on Colleges*

**Admissions Requirements**

ACU is committed to providing equal educational opportunities for students without regard to race, color, sex, creed, handicap, genetic information or national origin. As a private educational institution, however, ACU reserves the right to deny admission to any applicant whose academic preparation, character or personal conduct is determined to be inconsistent with the purposes and objectives of the university.

**Purpose**

The purpose of the admission process is to identify applicants who are likely to succeed academically in the Graduate School and at the same time contribute positively to the campus community. To admit students who cannot, or will not, persist until they have accomplished their academic goals is an expensive mistake for both the university and the students. Consequently, the admission process typically evaluates a combination of academic readiness and graduate capability. The admissions criteria are listed below but may include additional departmental reviews such as undergraduate coursework, standardized test scores, professional experience, writing samples, reference letters, or interviews.

**Admission Criteria**

In making admission decisions, the Graduate School works cooperatively with the various departmental admission committees.

The minimum Graduate School admission requirements are:

1. Complete an application and application fee (see online link to admission);
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned degree.

5. Form contacts with appropriate communities and organizations.
bachelor’s degree from a regionally accredited college or university or equivalent;

3. A cumulative undergraduate approximate B average or above in the area of focus or related area and evidence of an overall productive GPA;

4. Departmental requirements as stated for each department.

Individual graduate programs may also have higher standards or additional requirements for admission to their programs. Some programs have higher demand for admission, or are limited in the number of students who can be accepted each semester, so are more selective in admission criteria.

Admission Types
Standard admission is for students who may be fully admitted without further conditions.

If a student requires leveling work, the student may be admitted provisionally.

Occasionally, the department may recommend probational admission for an applicant who does not meet all the admission criteria. For probational admission, graduate admission committees will make a holistic judgment on the applicant’s potential for success and contributing to the program mission. Generally, students admitted probationally must maintain a 3.0 average in the first 9 hours of coursework, and may be asked to retake a standardized examination, or produce evidence of academic readiness.

Application Fee
The application fee is non-refundable. No action can be taken on an application until the fee has been received. The fee is waived for McNair Scholars. No other waiver of this fee will be considered for domestic or international applicants.

Application Date
Unless otherwise specified by a department, applications are accepted year round. Thus, many programs have rolling admissions based on space available. Deadlines vary by program, but successful applicants are often early to secure their placement and facilitate their eligibility for financial aid, scholarships, and graduate assistantships. For many programs, it is strongly suggested to submit application material by March for fall enrollment and October for spring enrollment. Again, the earlier applicants may enhance their opportunity for financial considerations.

Accuracy of Material
All application material submitted must be accurate. Any erroneous, misleading, or incomplete information may be grounds for rejection of application or if admitted, withdrawal from the university.

Official Acceptance
While academic departments and others play a major role in the evaluation of all applicants, official acceptance letters come from the ACU Graduate School. An acceptance letter shows admission status, but your program director and faculty indicate the plan of study and completion of the degree alongside the Graduate Policies for continuation and degree completion indicated in the catalog.

Delayed Admission
Students who receive an official letter of acceptance will be informed that the acceptance is available only for the semester or term indicated. Students who wish to change their entry date must petition the Graduate School in writing before the designated deadline. Students taking any graduate or undergraduate coursework between the date of acceptance and the date of first course enrollment at ACU must submit official transcripts for that work before beginning their program at ACU. Students will be governed by the catalog in effect when they actually begin coursework at ACU. The time limit for completing the degree will begin with the first enrollment in the graduate program.

Special Graduate Non-degree Admission
A student can also enter classes as a special graduate, or non-degree student, a situation normally reserved for those who want to take a few classes without any particular program commitment. The process includes submitting a special graduate application along with a fee and an official undergraduate transcript. Then, each student selects the appropriate courses and is registered for classes by the Graduate School.

Non-degree students must fulfill the same quality standards in class as fully-admitted students. Also, some courses require admission to a program or special permission before a student is allowed to take a course. A non-degree student can take no more than 15 graduate hours without being admitted to a degree program. However, there is no guarantee that the hours taken will fulfill degree requirements. Therefore, it is extremely important to seek admission and follow a degree plan within a program.

Admission to a Certificate Program
ACU offers graduate certificate programs in:

- Biblical Studies
- Conflict Resolution
- Enrollment Management
- Gerontology
- Heritage Development
- Leadership of Digital Learning
- School Superintendent
- Social Services Administration

Some students complete these certificate programs in conjunction with a master’s degree program. If a student is not matriculated in a master’s degree program, he or she must apply for the certificate program. If the student decides to apply any part of the certificate toward a graduate degree, he or she must apply and be admitted into that degree program.

International Student Admission Process

Required Materials for Academic Admission
International students applying for admission to the Graduate School must meet the same admission requirements as other students, however, they must also provide proof of English language proficiency. The requirements are:

1. Completed application and application fee;

2. An official transcript(s) in English (or translated to English) of all previous colleges attended. (Official means an original with the seal that comes directly from the issuing institution to ACU). The transcript must indicate a bachelor’s degree from a regionally accredited college or university or equivalent. Admissions are made on the assumption that applicants will have the bachelor’s degree by the time of matriculation, and if not, the Graduate School admission is void; At the discretion of the Graduate School, ACU may request a student’s transcript to be evaluated by a preferred third party for degree clarification.

3. A cumulative undergraduate approximate B average or above in the area of focus or related area and evidence of an overall productive GPA, unless otherwise stated by the department;

4. Departmental requirements as stated for each department; and

5. Provide official documentation of English Language Proficiency by one of the following:

- Submit an official test score from an English language proficiency test accepted by ACU. Official test scores should be sent directly from the testing entity. ACU’s test code is 6001. Accepted English language proficiency tests are: Test of English as a Foreign Language (TOEFL), International English Language Testing System (IELTS), EIKEN, Pearson Test of English (PTE-Academic), and CAE;
- Students who have a conferred bachelor’s degree or higher from an accredited US institution;
- Students who received a bachelor’s degree or higher in which English was the primary language of instruction;
• Students who successfully completed an approved ESL or English-language proficiency program; or
• Request for exception may be granted on a case-by-case basis by the Graduate School or academic department when applicants are otherwise able to demonstrate their ability to understand and use English proficiently. Additional documentation for these exceptions may be required by the Graduate School or the academic department.

Missing any one of these required elements may delay the admission decision.

**Required Materials for Financial Admission**

After an international student has been admitted unconditionally, the following documents must be submitted:

1. A copy of your valid passport.
2. Evidence of financial resources necessary to complete at least one academic year of study (9 months) at ACU. Generally, this is accomplished by providing copies of your bank statements to ACU. Please see the graduate school website for more specific information on finances for international students.

ACU is unable to issue an I-20 for applicants admitted conditionally or provisionally or for ACU online programs. We must have official copies of all documents before an I-20 can be issued. Once we receive the documents above, we will prepare your admission package and I-20. When these documents are ready, the Graduate School will contact you and ask you to provide your shipping information. Upon admission and prior to enrollment, a student must submit health forms indicating immunization record and a tuberculosis test within the last year.

It costs approximately $35,634 to live in Abilene and to attend ACU for one academic year. Unfortunately, the university usually cannot offer financial assistance to international students. More information can be found at [http://www.acu.edu/admissions/international/financial-aid/expense-estimate.html](http://www.acu.edu/admissions/international/financial-aid/expense-estimate.html)

International students are required to be enrolled in at least 9 hours of coursework during a long semester, a minimum of 6 of which must be graduate level courses.

Once international students arrive on campus, they are required to check-in at the Center for International Education and attend the International Student Orientation. Students are also encouraged to meet with their advisors for program details (see other parts of this catalog), and join the International Students’ Association on campus. ACU’s international community is a welcoming group of around 200 students and faculty with regular activities.

**Academic Definitions**

**Grade Point Average**

A student’s grade point average (GPA) is based on courses taken at ACU. It is determined by dividing the total number of grade points (see the table below) by the total number of hours attempted (not including hours where grade points are not counted). Current GPA is a student's GPA for a single term; cumulative GPA is the overall GPA for all the terms a student has been enrolled in ACU. All graduate students must have a minimum of 3.0 GPA on all work taken at ACU for graduate credit to graduate.

**Grades**

The table below lists the grades used in the Graduate School at ACU. The grade point values shown are per semester hour of credit.

<table>
<thead>
<tr>
<th>Grades</th>
<th>Meanings</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4.0</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3.0</td>
</tr>
<tr>
<td>C</td>
<td>Poor</td>
<td>2.0</td>
</tr>
<tr>
<td>D</td>
<td>Inferior</td>
<td>1.0</td>
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</table>

<table>
<thead>
<tr>
<th>F</th>
<th>Failing</th>
<th>0.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>0.0</td>
</tr>
<tr>
<td>IP</td>
<td>In-Progress</td>
<td>Not counted</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawn</td>
<td>Registered</td>
</tr>
<tr>
<td>WP</td>
<td>Withdrawn</td>
<td>Not counted</td>
</tr>
<tr>
<td>WF</td>
<td>Withdrawn</td>
<td>0.0</td>
</tr>
<tr>
<td>CR</td>
<td>Credit</td>
<td>Not counted</td>
</tr>
<tr>
<td>NC</td>
<td>No Credit</td>
<td>Not counted</td>
</tr>
</tbody>
</table>

**Course Load**

For a fall or spring term, a full load is defined as 9 credit hours, a three-fourths load as 6 hours and a half load as 4.5 hours. Full-time students may enroll for as many as 12 hours. Master of Accountancy students may enroll in 15 hours, Master of Science in Social Work students may enroll in 16 hours, and Master of Divinity students may enroll in 13 hours. A student must seek approval from the graduate dean to enroll in more than 3 hours in one summer session. A combination of graduate and undergraduate hours normally may not total more than 15 hours for a fall or spring term, or a total of 9 hours for all summer sessions.

For students who are enrolled in fully online programs, a full load is defined as 6 or more credit hours during a long semester, half load as 3 hours during a long semester.

Students employed full time should not enroll for more than 9 hours during any semester and 3 hours during a summer term. The combined teaching load and course load of a graduate assistant or an instructor should normally not exceed 15 semester hours.

**Course Numbering**

ACU uses a three-digit course numbering system. Courses numbered 500, 600, and 700 are graduate level courses. At the master’s level at least half of all graduate credit must be in 600 or 700-level courses. Courses numbered 700 or above in the Graduate School of Theology may be taken by doctoral students only.

**Graduate Policies and Regulations**

It is the student’s responsibility to know and comply with the regulations and requirements contained in this catalog. Graduate advisors are helpful in preparing degree plans and assisting students in their degree progress. This assistance, however, does not alter the primary responsibility of the student to adhere to policies published in the catalog.

**Degree Plan**

The number of credit hours for various degrees ranges from 30 to 72. All ACU master’s degrees require a minimum of 30 semester hours. The doctorate requires a minimum of 30 hours beyond the master’s degree.

Before enrolling, the first-semester graduate student should consult the chair or graduate director of his or her major department and develop a degree plan, which is a course guide. Of the hours required for a master’s degree at least one-half must be in 600 or 700-level courses. All doctoral students’ hours must be in 700-level courses.

If degree plans are changed during a program, the student is responsible to notify the Graduate School. Degree audits are conducted according to the catalog in effect at the time of enrollment. If problems arise, students are urged to confer with their advisors or, upon request of an advisor, with the dean of the Graduate School.

**Registration**

The student is responsible for class registration each semester. The student should consult with his or her advisor before registration. In some cases the advisor can complete the registration for the student. Students may also call the Graduate School for assistance with registration.
Graduate School. Graduate students are responsible for an up-to-date transcript. The number of semester hours required for various degrees ranges from 30 to 72. When students choose to complete a second master’s degree from ACU, they may count a limited number of courses from the first degree toward the second degree if courses from the first degree are also requirements for the second degree. The minimum number of additional hours required for a second master’s degree is:

<table>
<thead>
<tr>
<th>Degree hours</th>
<th>Additional hours needed for second degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>41 or fewer hours</td>
<td>24 hours</td>
</tr>
<tr>
<td>42-59</td>
<td>21</td>
</tr>
<tr>
<td>60-72</td>
<td>18</td>
</tr>
</tbody>
</table>

When combining two degrees, the larger of the two is the basis for calculation of hours required. Please note that these are minimum requirements for two degrees. Departments may have more stringent guidelines. For example, in the Graduate School of Theology, no more than half of one degree can be counted toward a second degree. In any case, all requirements for both degrees must be met.

Thesis and Project Requirements
Students who are doing a thesis or project are responsible for following the required process for writing and completing a thesis or project. Students who are writing a thesis should obtain a copy of the “ACU Thesis Guide” from the Graduate School. Plan early, follow guidelines and instructions, and work with your faculty committee to determine completion requirements. After students begin formal work on a thesis or project, they are expected to continue working on it each semester until it is completed and formally approved, or until they terminate their graduate career at ACU. In order for the thesis or project to remain in an active status, students must enroll in continuation each semester until completion of the thesis. Students must contact the Graduate School to enroll. A maximum of six (6) credit hours will be awarded for the thesis or project. Each subsequent registration will be for zero (0) credit hours, and the student will be charged a continuation fee equal to half of one hour of tuition at the current rate for each semester of continuation.

Students failing to maintain continuous registration must be re-admitted to ACU in order to continue and complete the requirements within the degree time limit, as stated in the current catalog. If a student fails to make progress on their work, the faculty member has the right to administratively withdraw the student with a W.

Capstone Project/Practicum Continuation Policy
Students are expected finish the capstone course within the time allotted for the course. Students needing more time may apply for a capstone extension, which will require that the student complete all capstone requirements before the end of the subsequent session. Upon approval by the program director, students will be enrolled in GRAD 696 Capstone Project/Practicum Continuation and be charged a continuation fee. The continuation course is zero (0) credit hours and the fee is equivalent to half of one hour of tuition at the current rate for each session of the extension (maximum of one (1) hour of tuition per semester). If students who receive a capstone extension fail to make progress on their work, the faculty member has the right to administratively withdraw the student with a W and the student will be required to retake the course at the full tuition rate.

Repeating a Course
1. A graduate student may retake a course only one time. The student must specify that the course is a repeat course at the time of registration.
2. If a student withdraws from a “repeated” course, it may be taken again.
3. A record of all occurrences of the course will appear on the transcript. Only the most recent grade will be counted in the cumulative GPA. The ability to retake a course may be limited by curriculum changes or by departmental policies.
4. If the previous grade is a “C” or below, the grade will still count against the maximum number of low grades allowed for the degree.

Low Grades
The maximum number of “C’s” allowed in a graduate program falls under the guidelines from the following table. In each case, a GPA of 3.0 must be maintained for completion of a degree.

<table>
<thead>
<tr>
<th>Hours</th>
<th>Hours of C’s Allowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;40</td>
<td>6</td>
</tr>
<tr>
<td>40-66</td>
<td>9</td>
</tr>
<tr>
<td>67+</td>
<td>12</td>
</tr>
</tbody>
</table>

If a student receives a grade of “D” or “F” in a course, this may constitute grounds for probation or suspension. However, if a student is allowed to continue, not only must the course be retaken, but a “D” or “F” is counted against the limit of C’s allowed in a program. Courses in which a student receives a grade of “D” or “F” may not be counted toward the degree.

Academic Probation and Suspension
Any student who does not maintain a 3.0 GPA will be placed on academic probation. If during the next enrollment, he or she fails to attain a 3.0 average, he or she may be suspended. Enrollment in a graduate program while on academic probation will not be permitted for more than one 16-week semester.

In the case of suspension, a student may re-apply to the Graduate School after a reasonable length of time as determined in each case by the graduate dean and the department. The student must be able to provide evidence indicating future success. However, re-application does not guarantee admission. The graduate dean, consulting with the department, will decide whether the student should be readmitted, and if so, whether special conditions should be required for readmission.

When students are readmitted after suspension, they are placed on probation for one semester and must meet Satisfactory Academic Progress (SAP) requirements to continue to receive financial aid. If they do not make satisfactory progress that semester, they are required to withdraw from school.

Incomplete Grades
Professors may assign a grade of “I” (Incomplete) only when illness or some significant reason prevents the student from completing a course by the end of the semester. An “IP” must be removed during the next
16-week semester following the one for which it was assigned or it will be automatically converted to an “I.” Also, an “I” must be removed during the subsequent 16-week semester or it turns into an “F.” As long as an “I” grade remains on a student’s record, it is counted as an “F” in computing the GPA. Incomplete work cannot be submitted for a grade after one year from the end of the semester in which the student was enrolled in the course. Exceptions are selected practicum’s, internships, thesis and thesis projects where grades of “IP” remain.

The student is responsible for requesting and completing an “I” when applicable. A student who enrolls in a class and does not attend (or stops attending) but does not officially withdraw will be assigned a failing grade for that class.

**Degree Time Limit (10 years)**

The time begins with the earliest course taken that applies to the degree program. After a student has enrolled for graduate credit, all work for the master’s degree must be completed within six years for 30-45 hour degrees; seven years for 46-61 hour degrees; and eight years for degrees up to 90 hours. This regulation applies to work being transferred from another institution as well as to work done at ACU.

**Auditing Courses**

Students who audit a course are normally charged the audit fee according to the university billing practice. Students sometimes later wish to change the audit to a course grade. However, this practice is not permitted.

**Dismissal**

The ACU Graduate School, through action of the graduate dean, reserves the right to refuse continued enrollment to any student who is negligent in conforming to student regulations or academic standards.

**Exception Requests**

A student must make a written request for an exception to any Graduate School policy. For example, a student might wish to request to take additional hours in a given semester or summer term, to transfer more than the maximum number of hours from another institution, to extend his or her maximum time to complete the graduate degree, or some other exception to policy.

Petition forms are available in department offices or in the Graduate School. The student should state the request and provide any necessary supporting material. The form must first be submitted for approval to the graduate advisor, and then will be forwarded to the graduate dean for evaluation and consideration. Most of these requests will be presented to the Graduate Council for approval. The decision of the Graduate Council is final.

**Admission Decision Appeal Process**

1. A potential student has the right to request in writing that their admission decision be reconsidered.
2. The Graduate School will notify the advisor and/or department that has challenged their admission decision by asking for a review or reconsideration of their application.
3. The advisor along with another department faculty member will review students file.
4. The advisor will notify the Graduate School in writing of their reconsideration decision of the student’s file.
5. If the reconsidered decision is not resolved to the satisfaction of the student he or she shall have the right to appeal in writing the matter to the Dean of the Graduate School.
6. Upon receiving the written appeal from the student, the Graduate School Dean will assemble a committee that includes three (3) Graduate School employees, a department representative, a similar discipline faculty member and members of the Admissions Committee. The committee will review the student’s file and appeal.
7. The Graduate Dean and the committee’s decision is final.

**Grade Appeals**

The University has a procedure for dispute resolution. In general, the order of resolution is to begin at the initial level of the dispute. Usually, the student should attempt to resolve the dispute with the professor in question or with the advisor, if it is a program or class matter. The student may then go to the department chair who normally resolves all disputes within the department. The student, however, may appeal the department chair’s decision to the college dean, then to the graduate dean and finally to the provost whose decision is final.

**Grievances**

The University has established formal policies and processes to handle written student complaints and appeals. Generally, the policies encourage students to resolve concerns at the initial level of concern when possible, i.e. working with the faculty member or department chair to resolve an academic issue.

To file a complaint or appeal, please select from the list below:

A. **Student Athlete Financial Aid** — Nonrenewal of a student athlete’s financial aid award may be found in the ACU Student Athlete Handbook.

B. **Title IX** — Title IX information is included in the University’s Title IX website and in the Policy Statement on Sexual Harassment and Assault.

C. **Student Life** — Disciplinary decisions, harassment, discrimination, residence hall assignments, the residence hall living/learning experience and parking citations may be found in other sections of the Student Handbook.

D. **Alpha Services** — Student accommodations by Alpha Services may be found in the Alpha Scholars Program Student Handbook.

E. **Academic integrity** — Academic integrity appeals may be found in the Academic Integrity Policy.

F. **University employee violations of policy or law** — Reporting processes for financial improprieties, illegal practices or policy violations committed by university employees or agents may be found in the University’s Whistleblower Policy.

G. **Academic policy or syllabus** — A student alleging that a faculty or staff member has treated the student unfairly in regard to his or her academic work in a course for which he or she was registered by either:
   1) Violating university academic policy OR
   2) Violating course policy as stated in the syllabus may complain of such alleged unfair treatment using the Student Complaint Policy.

All student complaints must first be addressed internally. If the internal resources have been exhausted and the complaint is not satisfactorily resolved, the student may file a complaint with the regulatory agency in the state that he or she is receiving instruction and/or the institution’s accrediting agency. Contact information for these agencies is below:

- **Texas Higher Education Coordinating Board**
- **Office of General Counsel**
- **P.O. Box 12788**
- **Austin, Texas 78711-2788**
- **President, Southern Association of Colleges and Schools**
- **Commission on Colleges**
- **1866 Southern Lane**
- **Decatur, Georgia 30033-4097**

**Preparing for Graduation**

**Graduation**

A degree candidate must submit an Intent to Graduate to the Graduate School prior to the beginning of final semester.

Any student who does not complete graduation requirements during the semester for which he or she has filed must re-apply for a later graduation date. Degrees are posted on the student’s transcript for the term in which all requirements have been completed. Diplomas are mailed to students after the degree is posted (approximately two months after commencement).

**Comprehensive or Thesis Examination Requirements**

In addition to regular course examinations, most programs require students to pass a comprehensive examination over the major field.
Graduate students who write a thesis must “defend” the thesis in an oral examination.

The comprehensive exam should be arranged through the department four weeks before graduation. The thesis defense should be arranged with the thesis committee five weeks before graduation (some programs have specific examination dates). The graduate student should consult his or her graduate advisor for specific departmental examination requirements and schedules, noting that summer schedules can be difficult scheduling times. The student should obtain a Comprehensive Examination Application from the Graduate School before the examination date. After the exam, the department returns the form to the Graduate School to report examination results.

Clear Student Account
Check with Student Financial Services to clear or make arrangements for any outstanding balance before graduation.

Degree Posting, Transcript, and Diploma
When all requirements for the degree have been met, including the final copy of the thesis, etc., the degree will be posted, and a transcript showing the degree may be requested. Diplomas are ordered as soon as degrees are posted following each graduation date and should be mailed within two months. It is imperative that students leave a correct forwarding address. At the time of degree posting, if any requirement has not been met, the student will automatically be deferred to the next graduation cycle and will need to notify the Graduate School when requirements have been completed.

Financial Assistance
Grants
ACU participates in the following grant programs for graduate students:

- TEG – Tuition Equalization Grant (for Texas residents only as available)

Scholarships
Departmental scholarships are offered through the various departments. For more information regarding these scholarships, contact the department of interest.

Graduate Assistantships
Graduate Assistants (GAs) at Abilene Christian University fall into three categories according to major responsibilities:

1. Academic support, including clerical work
2. Research
3. Teaching

Upon employment, GAs are given a letter clearly stating responsibilities, remuneration, and the expectations of the department and of the professor to whom they are assigned. Remuneration includes a stipend and tuition reduction. Both full- and part-time assistantships are available.

Selection
Graduate assistants are chosen on a competitive basis. Students apply through the Graduate School and are approved by the dean upon recommendation by the head of the department for which they wish to work (and upon the recommendation of their graduate program if it is different from the department in which they work). In order to receive an assistantship, a student must be admitted unconditionally into a graduate program and must be enrolled for graduate course work that semester. For a full assistantship, a student must be enrolled in at least 9 hours. For a half assistantship, a student must be enrolled in at least 6 hours. A student may be considered a full-time student in his or her final semester with fewer hours if he or she is completing final requirements for the degree. Students should direct inquiries about graduate assistantships to the Graduate School.

Qualifications and Work
All graduate assistants are expected to be responsible and successful students who can make a positive contribution to their departments and to the campus community. They each must have completed a baccalaureate degree before beginning their work as graduate assistants. Those who teach or have other job-related contact with undergraduates should be good role models in scholarship, integrity, helpfulness, and commitment to Christian values. Those who teach must have at least 18 graduate hours in the discipline taught and must be proficient in the use of English.

Each graduate assistant is assigned to an instructor, who is responsible for training, supervising, and evaluating the assistant in his or her work. Teaching assistants also receive regular in-service training and are evaluated by their students each semester. All graduate teaching assistants are also under the oversight of the Graduate School.

Graduate assistants are assigned work space or offices, telephones and mailboxes, as available, usually on a shared basis. Teaching assistants are expected to attend departmental faculty meetings and to keep regular office hours.

Compensation and Reappointment
Pay for graduate assistants varies by department and assignment.

Reappointment of graduate assistants depends upon (1) departmental needs, (2) the graduate assistant’s satisfactory academic progress toward a graduate degree, and (3) evaluations from mentors and, in the case of teaching assistants, from students.

All graduate assistants must maintain a 3.0 cumulative grade point average to retain their assistantships.

About This Catalog
The information provided in this catalog is current as of July 2015. It is, however, subject to change without notice and does not constitute a contract between Abilene Christian University and a student or an applicant for admission.

The catalog is designed to make planning and scheduling a degree program as simple as possible. Additional help is available from several sources, such as the offices of the graduate dean, the college deans, department chairs and faculty advisors.

Each student at Abilene Christian University, however, is ultimately responsible for understanding and fulfilling all degree requirements.
**Accounting**

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Bill Fowler, Associate Professor
John Neill, Professor
David Perkins, Professor
Jonathan Stewart, Professor
Scott Stovall, Associate Professor
Paul Wertheim, Professor

**Introduction**
The Master of Accountancy (MAcc) degree is designed primarily to prepare students for professional careers that frequently begin in public accounting. Most students in the program intend to become Certified Public Accountants. The curriculum adds to and broadens the accounting and business knowledge acquired from undergraduate studies.

Accounting education, virtually static for decades, is going through dynamic change prompted by several forces. The business world is more complex, and the public is demanding more meaningful financial reporting. Accountants no longer work in isolation, but instead contribute to the business as part of a team. Financial transactions are more sophisticated. Accounting and auditing standards are more numerous and require greater interpretive skills.

Technology is also altering the way we work, learn and communicate. Students and employees must develop skills that enable them to use technology to do their work, to manage information, to document and create processes, to research, and to communicate.

Expectations for academic and technical proficiency are considered minimum criteria for entry into the accounting profession. Additionally, students are expected to develop skills in written and oral communication, teamwork, critical thinking, problem solving (in an unstructured environment), and creativity.

A unique aspect of the MAcc program at ACU is the inclusion of graduate courses from outside of the College of Business Administration. The non-business electives create opportunities for students to connect their business learning to other disciplines, participate in different types of thinking and broaden their understanding of the community around them.

Two key ingredients for success in today’s world are flexibility and commitment to learning. Businesses, employees, students and educators must continually nurture these attributes if they are to endure and prosper. The Master of Accountancy degree, by its structure and intent, encourages students to become not just accountants, but lifelong learners.

**Admission Requirements**
The MAcc program is designed primarily for full-time study. The admission requirements for the MAcc are:

1. Complete an application and application fee (see online link to admission);
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree from a regionally accredited college or university or equivalent;
3. Applicants have earned a minimum 3.00 GPA in their undergraduate accounting courses;
4. Applicants without an undergraduate degree in accounting will be expected to earn a 3.00 GPA in their accounting leveling courses before taking more than 9 hours of graduate work;
5. Two letters of recommendation;
6. GPA of 3.00 from a college or university in the United States;
7. A satisfactory GMAT score (generally a 50th percentile or better) may be required of any student who applies to the MAcc program and who has not completed 24 or more semester hours at ACU with a minimum GPA of 3.00;
8. A written personal statement of academic interests, strengths and weaknesses.

An applicant cannot be considered for admission until all graduate admission requirements are completed and received. Final action on the admissions request is usually completed within a few weeks from the receipt of all documents. Students are advised to complete and submit all admission materials as soon as possible. Students may apply to enter in either the fall or spring term.

**Prerequisites**
Applicants with an undergraduate degree in accounting will generally meet all of the prerequisite standards. All applicants must satisfy the prerequisites for accounting and business.

**Accounting Prerequisites**
- Financial Accounting
- Managerial or Cost Accounting
- Intermediate Accounting I and II
- Income Tax - Individuals
- Accounting Systems
- Auditing
- Advanced Accounting

**MASTER OF ACCOUNTANCY (MAcc)**

**Major Code:** ACCT

The MAcc degree is a 30-hour program that can be completed in one year by students with an undergraduate degree in accounting. Students with other business degrees and students without business degrees could expect to complete the program in two to three years.

**Requirements for the MAcc degree are:**

1. Required Accounting core, 9 hours:
   - MACC 610 Advanced Topics in Financial Accounting and Reporting
   - MACC 619 Accounting Research
   - MACC 622 Ethics and the Accounting Profession

2. Elective Courses, 15 hours:
   - MACC 603 Contemporary Issues in Accounting Theory
   - MACC 604 Entity Tax Fundamentals
   - MACC 605 Financial Statement Analysis
   - MACC 609 Advanced Auditing
   - MACC 611 Accounting for Governmental and Non-Profit Entities
   - MACC 617 Fraud Examination
   - MACC 621 Advanced Financial Management
   - MACC 624 Advanced Accounting Information Systems

2. Graduate (non-COBA) electives, 6 hours: consult with advisor
Introduction
The mission of the Master of Business Administration is to prepare business professionals for administrative roles that call on them to demonstrate ethical management and decision-making skills informed by principles of Christian vocation. This is accomplished through equipping business leaders to:

- Practice effective leadership of themselves, their teams, their organizations, and their external constituents;
- Lead organizational innovation efforts through effective integration of strategy with appropriate organizational processes and technologies;
- Engage in data-informed decision-making; and
- Make ethical decisions informed by values and goals that are consistent with relevant laws and Christian principles.

Admission Requirements
- Application for admission with a nonrefundable processing fee.
- Official transcripts in a registrar’s sealed and stamped/signed envelope from the regionally accredited colleges or universities that awarded the baccalaureate degree to the applicant.
- A 3.0 or better cumulative undergraduate GPA. Provisional admission may be given to students with a 2.5-2.99 cumulative undergraduate GPA, who would then be fully admitted to the program after the successful completion of three courses with a 3.0 GPA.
- Course prerequisites for admission to the program include basic statistics, basic financial accounting, and economics.
- Acknowledgement regarding Christian identity of the university/program.
- Current professional work experience for application of program knowledge. Acceptable past work experience can be considered.
- Résumé or CV.

International applicants to the MBA will be required to complete the standard graduate application requirements for all international students applying to the Graduate School, including TOEFL scores and transcript assessment for degrees completed outside of the United States (http://www.acu.edu/graduate/prospective-students/international/index.html).

MASTER OF BUSINESS ADMINISTRATION (MBA)*
Major Code: MBA
Communication

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Joe Cardot, Professor
Kristina Davis, Assistant Professor
Carley Dodd, Professor
Paul Lakey, Professor
Lauren Lemley, Assistant Professor
Cindy Roper, Professor
Lynette Sharp Penya, Professor
J.D. Wallace, Professor

Introduction
The Department of Communication and Sociology at Abilene Christian University offers a Master of Arts (MA) degree in communication. Areas of concentration are organizational communication, interpersonal/intercultural communication, persuasion and public advocacy.

Recognizing the increasingly vital role of communication in modern society, the department is committed to a diverse but integrated study of communication, preparing graduates for human interaction by improving people skills and task productivity. It also prepares students for further graduate work, personal growth, and various career opportunities. Students going from this program into doctoral work have a 95 percent acceptance rate into their first choice of Ph.D. programs. Career opportunities include leadership roles in ministry, administration, sales, corporate communication, consulting and training, intercultural relations, and human resource development.

Admission Requirements
Admission requirements for the MA in communication are:

1. Complete an application and application fee (see online link to admission);
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree from a regionally accredited college or university or equivalent;
3. A cumulative undergraduate approximate B average or above in the area of focus or related area and evidence of an overall productive GPA;
4. Two letters of recommendation;
5. A satisfactory GRE score;
6. An essay describing their purpose for pursuing a graduate degree in communication;
7. A writing sample representing high quality work (e.g. term paper).

COMMUNICATION (MA)

Major Code: COMS

The Master of Arts degree in communication requires 36 hours. The 36 hours includes two research tools courses and allows a thesis for 3 or 6 hours or a non-thesis option. An oral defense of the thesis and related course work is required with the thesis option while the non-thesis option requires an oral comprehensive examination. Students may retake the applicable exam only once more if they fail on the first attempt.

Prerequisites
The communication degree requires a baccalaureate degree from a regionally accredited institution.

Requirements for the MA in communication are:

1. Communication core, 12 hours:
   - COMM 620 Quantitative Methods
   - COMM 621 Qualitative Research Methods
   - COMM 636 Seminar in Communication Theory
   - COMM 687 Principles of Rhetorical Criticism
2. Selection, 24 hours:
   (Students may choose to select courses in one or two areas of concentration. 9-12 hours is required for each concentration, 6 hours of thesis may be taken as part of concentrations a-c. Courses from other departments must be approved by the graduate advisor.)
   a. Organizational communication emphasis:
      - COMM 508 Crisis Management in Organizations
      - COMM 521 Leadership and Communication
      - COMM 543 Business and Professional Communication
      - COMM 583 Communication in Multi-National Organizations
      - COMM 585 Organizational Communication
      - COMM 586 Training and Development
      - COMM 631 Leading Organizational Change
      - COMM 685 Seminar in Organizational Communication
      - COMM 686 Communication Consulting and Assessment
   b. Interpersonal/intercultural communication emphasis:
      - COMM 536 Nonverbal Communication
      - COMM 545 Intercultural Communication
      - COMM 550 Gender Communication
      - COMM 583 Communication in Multi-National Organizations
      - COMM 641 Seminar in Interpersonal Communication
      - COMM 675 Seminar: Persuasion and Social Change
      - COMM 683 Cultural Case Studies
   c. Persuasion and public advocacy emphasis:
      - COMM 508 Crisis Management in Organizations
      - COMM 515 Political Communication
      - COMM 521 Leadership and Communication
      - COMM 575 Persuasion
      - COMM 631 Leading Organizational Change
      - COMM 675 Seminar: Persuasion and Social Change
3. Comprehensive exam or thesis defense.
Communication Sciences and Disorders

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Faculty
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Terry Baggs, Associate Professor
Denise Barnett, Assistant Professor
Brenda Bender, Associate Professor
Rachel Smith, Instructor
Diana Taylor, Assistant Professor

Introduction
Abilene Christian University’s Communication Sciences and Disorders Department offers a Master of Science (MS) degree in speech-language pathology. The MS in communication sciences and disorders is a 52-hour non-thesis program consisting of 39 hours of academic preparation and 13 hours of clinical practicum. The course work is presented in a two-year sequence. A written comprehensive examination is required.

The Communication Sciences and Disorders graduate program is accredited by the Council on Academic Accreditation (CAA) from the American Speech-Language Hearing Association (ASHA).

The mission of the Communication Sciences and Disorders department is to equip students with knowledge and skills in speech-language pathology for ministry to individuals with communication disorders through a Christian world perspective. Students and faculty are involved in the provision of diagnostic and treatment services to the community, research into the causes, prevention, and effects of communication disorders, and advocacy for persons with communication disabilities. The training program endeavors to produce speech-language pathologists with professional competency and conduct consistent with the highest national standards.

The department offers a Bilingual Emphasis Program within the M.S. degree plan for students who already have advanced proficiency in a second language. This will enable them to acquire the knowledge and skills necessary to practice as bilingual speech-language pathologists. Focused coursework, clinical experiences, and mentoring by a licensed bilingual speech-language pathologist form the core of the BEP.

Admission Requirements
Enrollment is limited to applicants who will be full-time students. The admission requirements for the MS program in communication sciences and disorders are:

1. Complete an application and application fee (see online link to admission);
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree from a regionally accredited college or university or equivalent;
3. A cumulative undergraduate approximate B average or above in the area of focus or related area and evidence of an overall productive GPA;
4. A minimum GRE score of 288 (combined verbal and quantitative);
5. Three letters of recommendation (at least two of the recommendation letters must come from professionals in the field and relate to the applicant’s potential academic success); The applicant may utilize the rating forms supplied by the Graduate School;
6. Writing sample in the form of a letter of intent or purpose statement;
7. A current resume that includes information regarding: college education and activities to date, employment to date, and community/church involvement. High school activities should not be included;
8. A two-year commitment is required from all applicants.

All application materials must be received by the preceding February 1 for the fall semester. Incomplete applications will not be reviewed. An application is considered incomplete if any of the required elements have not been received by the Graduate School, including GRE scores.

When all the required materials are assembled, the application will be reviewed by the CSD faculty. A personal interview may be required. If an interview is requested, additional information as to the nature of the interview will be provided at that time.

The Communication Sciences and Disorders Admissions Committee make holistic judgments based on the evaluation of an applicant’s ability and readiness for graduate work. In conjunction with the Graduate School, the Committee may recommend conditional admission for an applicant who does not meet all admission criteria.

COMMUNICATION SCIENCES AND DISORDERS (MS)
Major Code: CSD

Requirements for the MS degree in communication sciences and disorders are:

<table>
<thead>
<tr>
<th>1. Core courses (39 hours); Practicum (13 hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>YEAR 1</strong></td>
</tr>
<tr>
<td><strong>Fall</strong></td>
</tr>
<tr>
<td>COMP 602</td>
</tr>
<tr>
<td>COMP 610</td>
</tr>
<tr>
<td>COMP 620</td>
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<tr>
<td>COMP 659</td>
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<tr>
<td>COMP 693</td>
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<tr>
<td><strong>Spring</strong></td>
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<tr>
<td>COMP 601</td>
</tr>
<tr>
<td>COMP 603</td>
</tr>
<tr>
<td>COMP 613</td>
</tr>
<tr>
<td>COMP 693</td>
</tr>
<tr>
<td><strong>Summer</strong></td>
</tr>
<tr>
<td>COMP 608</td>
</tr>
<tr>
<td>COMP 693</td>
</tr>
<tr>
<td><strong>YEAR 2</strong></td>
</tr>
<tr>
<td><strong>Fall</strong></td>
</tr>
<tr>
<td>COMP 604</td>
</tr>
<tr>
<td>COMP 606</td>
</tr>
<tr>
<td>COMP 661</td>
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<tr>
<td>COMP 694</td>
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<tr>
<td><strong>Spring</strong></td>
</tr>
<tr>
<td>COMP 670</td>
</tr>
<tr>
<td>COMP 670</td>
</tr>
<tr>
<td>COMP 694</td>
</tr>
</tbody>
</table>

2. Comprehensive Exam
Conflict Resolution

Garry Bailey, Academic Director
Duncan Center for Conflict Resolution
ACU Box 27770
1541 N. Judge Ely Boulevard
Abilene, Texas 79699-7770
Phone: 325-674-2015
800-395-4723
Fax: 325-674-2427
Email: conflictresolution@acu.edu
Web: www.acu.edu/conflict

Faculty
Garry P. Bailey, Associate Professor and Academic Director
Joe L. Cope, Associate Professor and Executive Director
Matthew J. Dodd, Assistant Professor

Adjunct Faculty who teach in this program:
Joey Halbert
Kimberlee Kovach
Kipi Fleming Ward
Patty Wenetschlaeger

Introduction
The Master of Arts in Conflict Resolution and Reconciliation (MA-CRR) is offered through the Duncan Center for Conflict Resolution. The degree is a 36-credit hour non-thesis program. A 15-credit hour graduate certificate in conflict resolution is also available. The degree and certificate courses are offered in an online format with a mandatory residency session designed to concentrate on practical skill development. In addition, 6 credit hours are taken as a conflict practicum which is arranged in conjunction with the program advisor.

PLEASE NOTE: Because courses are offered online, students must have access to a computer with an internet connection and have sufficient technical proficiency for the online environment.

The program is designed to prepare students to analyze, address and manage conflict effectively and professionally. The faculty and course materials emphasize the importance of reconciliation. The degree will serve professionals currently engaged in careers in business, education, counseling and ministry, as well as individuals engaged in dispute resolution professions.

Primary purposes of the program are to equip and enable graduates who:

1. Are recognized and utilized as peacemakers, regardless of their professional or career positions;
2. Are well-versed in conflict theory and are equipped with the knowledge and skills necessary to effectively manage conflict;
3. Possess the capacity for advancement into positions of leadership and service in a wide range of professions; and
4. Mentor and challenge others to pursue godly lives of collaboration and reconciliation.

Course work in this program has been designed to provide students with a depth of knowledge in the theory of conflict and its management. The emphasis on reconciliation reflects the importance of maintaining relationships even when the parties disagree. Each student is introduced and immersed in practical skills that both foster those relationships and effectively move parties to agreement.

Since 2000, the Duncan Center has endeavored to equip, encourage, and support individuals as peacemakers in personal relationships, families, churches, schools, professions and communities. It provides reconciliation services for individuals, organizations and churches, as well as providing opportunities for service and experience to program students and graduates.

Admission Requirements
Entrance into the program is not limited to any specific undergraduate degree. The admission requirement for the MA-CRR program are:

1. Complete an application and application fee (see online link to admission);
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree from a regionally accredited college or university or equivalent;
3. A cumulative undergraduate approximate B average or above in the area of focus or related area and evidence of an overall productive GPA;
4. Two letters of recommendation;
5. A purpose statement of no more than 1,000 words detailing the applicant’s motivation for undertaking a focused study on conflict resolution and reconciliation; and
6. Upon request, a personal or telephone interview with the program advisor or other departmental faculty or staff.

CONFLICT RESOLUTION AND RECONCILIATION (MA)

Major Code: CRR

Requirements for the MA in conflict resolution and reconciliation are:

<table>
<thead>
<tr>
<th>FOUNDATION (6 HOURS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONR 605 Negotiation and Mediation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAJOR REQUIREMENTS (24 HOURS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONR 601 Conflict Theory and Communication</td>
</tr>
<tr>
<td>CONR 610 Managing Conflict in the Workplace or</td>
</tr>
<tr>
<td>CONR 615 Managing Conflict in Schools or</td>
</tr>
<tr>
<td>CONR 617 Conflict Resolution in the Church</td>
</tr>
<tr>
<td>CONR 630 Advanced Mediation: Marital Disputes</td>
</tr>
<tr>
<td>CONR 612 Conflict Management Systems Design</td>
</tr>
<tr>
<td>CONR 635 Identity, Culture, and Conflict</td>
</tr>
<tr>
<td>CONR 637 Dispute Resolution and the Legal System</td>
</tr>
<tr>
<td>CONR 638 Ethics and Conflict Resolution</td>
</tr>
<tr>
<td>MGMT 636 Organizational Behavior</td>
</tr>
</tbody>
</table>

RESIDENCY SESSION

<table>
<thead>
<tr>
<th>PRACTICUM (6 HOURS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONR 643 Practicum (6) or CONR 643 Practicum (3) and</td>
</tr>
<tr>
<td>CONR 645 Practical Skills and Theory in Conflict Resolution (3) (not online)</td>
</tr>
</tbody>
</table>

| CONR 643 Practicum and CONR 645 Practical Skills and Theory may be started after the student has successfully completed CONR 605, Residency Session, and nine additional hours. |

CERTIFICATES IN CONFLICT RESOLUTION

The graduate certificate in conflict resolution is offered for those students who are not seeking the graduate degree, yet desire specialized education in conflict management. The certificate is a 15-credit hour program. A residency session is required to successfully complete the certificate.

The Duncan Center for Conflict Resolution also offers a 12-credit hour graduate certificate in conflict resolution specifically for educators. This unique program includes on-line course work and a one-week residency session for the development of practical skills and for preparing trainers of mediators in the school setting. Special materials for trainers will be provided. Students may apply 12 hours toward the Master of Education in Leadership of Learning degree.

PLEASE NOTE: Because courses are offered online, students must have access to a computer with an internet connection and have sufficient technical proficiency for the online environment.

Admission Requirements
All candidates for the certificate must complete an application for the certificate program and must submit an official undergraduate transcript that shows a completed bachelor’s degree.
CERTIFICATE IN CONFLICT RESOLUTION (CER)
Major Code: CONR

Requirements for the certificate in conflict resolution are:

<table>
<thead>
<tr>
<th>FOUNDATION (6 HOURS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONR 605 Negotiation and Mediation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>REQUIRED (3 HOURS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONR 601 Conflict Theory and Communication</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELECTIVES (6 HOURS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONR 610 Managing Conflict in the Workplace or CONR 615 Managing Conflict in Schools or CONR 617 Conflict Resolution in the Church</td>
</tr>
<tr>
<td>CONR 612 Conflict Management Systems Design</td>
</tr>
<tr>
<td>CONR 630 Advanced Mediation: Marital Dispute</td>
</tr>
<tr>
<td>CONR 635 Identity, Culture, and Conflict</td>
</tr>
<tr>
<td>CONR 637 Dispute Resolution and the Legal System</td>
</tr>
</tbody>
</table>

RESIDENCY SESSION

CERTIFICATE IN CONFLICT RESOLUTION FOR EDUCATORS (CER)
Major Code: CCRE

Requirements for the certificate in conflict resolution for educators are:

<table>
<thead>
<tr>
<th>Admission Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>The admission requirements for the Certificate in Conflict Resolution for Educators are:</td>
</tr>
<tr>
<td>1. Complete an application and application fee (see online link to admission);</td>
</tr>
<tr>
<td>2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree in education or related field from a regionally accredited college or university or equivalent;</td>
</tr>
<tr>
<td>3. Submit official transcripts showing all previous college work;</td>
</tr>
<tr>
<td>4. A cumulative undergraduate approximate B average or above in the area of focus or related area and evidence of an overall productive GPA;</td>
</tr>
<tr>
<td>5. Submit a current resume;</td>
</tr>
<tr>
<td>6. Two letters of recommendation;</td>
</tr>
<tr>
<td>7. A purpose statement (2 pages double spaced, typed) including philosophy of education;</td>
</tr>
<tr>
<td>8. An official document indicating 2 years of teaching experience in an accredited PK-12 public or private school and;</td>
</tr>
<tr>
<td>9. Have access to a K-12 school or school district.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FOUNDATION (6 HOURS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONR 605 Negotiation and Mediation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>REQUIRED (6 HOURS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONR 601 Conflict Theory and Communication</td>
</tr>
<tr>
<td>CONR 615 Managing Conflict in Schools</td>
</tr>
</tbody>
</table>

RESIDENCY SESSION

GRADUATE CERTIFICATE IN HERITAGE DEVELOPMENT (CER)
Major Code: CHD

Note: This program is a face-to-face program, not online.

Admission Requirements
Admission requirements for the Graduate Certificate in Heritage Development are as follows:

1. A completed application and application fee (see online link to admission);
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree from a regionally accredited college or university or equivalent;
3. A cumulative undergraduate approximate B average or above and evidence of an overall productive GPA;
4. A current resume;

This graduate certificate will give students an understanding of theories and processes for advising individuals and families about intergenerational heritage development including establishing a family legacy, managing life changes and the conflicts that result. Emphasis is placed on critical and analytical thinking, communication and facilitation processes, developing a strategic vision, leading organizational change, and applying theories and skills in heritage development.

The 15 credit-hour graduate certificate program may be completed in approximately one year. The course design is 4 intensive face-to-face format courses with pre-class and post-class assignments plus a practicum experience that spans the study period. Travel, food and lodging are the responsibility of the student.

Requirements for the Certificate in Heritage development are:

<table>
<thead>
<tr>
<th>Certificate in Heritage Development (15 hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONR 651 Critical Thinking and Analysis</td>
</tr>
<tr>
<td>CONR 653 Communication and Facilitation</td>
</tr>
<tr>
<td>CONR 655 Strategic Vision and Planning</td>
</tr>
<tr>
<td>CONR 657 Practicum in Heritage Development</td>
</tr>
<tr>
<td>COMM 631 Leading Organizational Change</td>
</tr>
</tbody>
</table>
Education

Bruce Scott, Chair
ACU Box 29009
Abilene, Texas 79699-9009
Phone: 325-674-2946
Fax: 325-674-2123
Email: bruce.scott@acu.edu
Web: www.acu.edu/grad

Faculty
Lloyd Goldsmith, Professor
Karen Maxwell, Assistant Professor
Bruce Scott, Assistant Professor
Donnie Snider, Associate Professor

Introduction
The Abilene Christian University Department of Graduate Studies in Education offers a Master of Education (MEd) degree in the following areas:

- Leadership of Learning (Principalship and other leadership roles)
- Higher Education (see the Higher Education section of this catalog [page 145])

The department also offers certification as a superintendent beyond leadership of learning (school principal certification). Students in the Leadership of Learning program may also be able to complete the requirements for the graduate certificate in conflict resolution for educators. (See the Certificate of Graduate Studies section for certificate information).

The graduate education programs are approved by the Texas Education Agency and are accredited by the State Board for Educator Certification. Two years of teaching experience, in addition to the master's degree, are required to receive a professional certificate.

The Department of Graduate Studies in Education at ACU seeks to prepare individuals who have a thorough mastery of the technical and practical aspects of education and are skilled in both the art and science of teaching and learning. The faculty and staff of the department seek to accomplish this within the context of Christian values and principles.

Education is one of the largest programs at ACU, with approximately 800 graduate and undergraduate students each year involved in some aspect of educator preparation. With a student-faculty ratio of 17:1, each student receives individual attention from top-quality faculty members.

Faculty members author teaching materials, publish articles and papers, present at state and national conferences, serve as officers in professional organizations, and conduct numerous workshops and seminars for school professionals.

Admission Requirements
The admission requirements for the Master of Education in Leadership of Learning are:

1. Complete an application and application fee (see online link to admission);
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree in education or related field from a regionally accredited college or university or equivalent;
3. A cumulative undergraduate approximate B average or above in the area of focus or related area and evidence of an overall productive GPA;
4. Submit a current resume;
5. Two letters of recommendation;
6. A purpose statement (2 pages double spaced, typed) including philosophy of education;
7. An official document indicating current employment, or minimum of two years of teaching experience in an accredited EC-12 public or private school. (Official documents include: (1) a current valid teaching certificate from any state in the United States, (2) an official service record from a school district/system or state department of education indicating current employment or two years of teaching service, (3) other official documents approved by the program director.)
8. Have access to an accredited EC-12 school classroom and school district/system.

NOTE: Students who successfully complete this degree plan may be eligible to become a candidate for principal certification in Texas. Candidates for principal certification from states other than Texas are strongly encouraged to contact the appropriate state department of education for more information regarding certification requirements.

Departmental Requirements
Meeting the requirements of a master’s degree in education does not necessarily qualify the student for professional certification. Each student’s professional certification program must be planned to meet individual needs and to ensure competence in the chosen area of professional endeavor.

Students are cautioned that states continually change credentialing requirements. It is the responsibility of the student to stay abreast of their state’s credentialing requirements. Not taking credentialing exams in a timely manner can create lengthy certification plans for the student to meet changing credentialing requirements.

Students seeking Texas certification must pass the state-required Texas Examinations of Educator Standards (TExES) prior to certification. The state of Texas awards professional certification only to persons with at least two years of verified teaching experience.

GRADUATE PROGRAMS
LEADERSHIP OF LEARNING (MEd)
Major Code: LEAD

PLEASE NOTE: Because courses are offered online, students must have access to a computer with an internet connection and have sufficient technical proficiency for the online environment.

Requirements for the MEd in leadership of learning, 30-hour non-thesis program, are:

<table>
<thead>
<tr>
<th>MEd in Leadership of Learning (30 hour non-thesis program)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Courses (15 hours)</td>
</tr>
<tr>
<td>EDUC 683 Implementing Continuous Improvement</td>
</tr>
<tr>
<td>EDUC 684 Meeting the Learning Challenge</td>
</tr>
<tr>
<td>EDUC 686 Reframing Learning</td>
</tr>
<tr>
<td>EDUC 687 Managing Data to Improve Student Learning</td>
</tr>
<tr>
<td>EDUC 688 Creating an Effective Learning Environment</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specialization (12 hours) (choose one track)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principalship</td>
</tr>
<tr>
<td>EDUC 621 Overcoming Learning Barriers</td>
</tr>
<tr>
<td>EDUC 680 Allocating Resources and Structuring the School for Learning</td>
</tr>
<tr>
<td>EDUC 681 Nurturing School Culture to Create a Learning Community</td>
</tr>
<tr>
<td>EDUC 682 School Law, Ethics and the Learning Community</td>
</tr>
<tr>
<td>EDUC 660 Capstone</td>
</tr>
</tbody>
</table>

*Residency Session required for students seeking the Cert. in Conflict Resolution for Educators.
Certificate of Graduate Study

Certificate in Leadership of Digital Learning (CER)
The Online Certificate in Leadership of Digital Learning is a 12-hour program designed to prepare students to be educational leaders who promote digital innovation for all students in safe and productive learning environments.

Admission Requirements
Admission requirement for the Certificate in Leadership of Digital Learning are as follows:

1. A completed application and application fee;
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor's degree in education or related field from a regionally accredited college or university or equivalent;
3. A cumulative undergraduate approximate B average or above in the area of focus or related area and evidence of an overall productive GPA;
4. Submit official transcripts showing all previous college work;
5. Submit a current resume;
6. Two letters of recommendation;
7. A purpose statement (2 pages double spaced, typed) including philosophy of education.
8. An official document indicating 2 years of teaching experience in an accredited PK-12 public or private school.

Requirements for the 12-hour certificate in Leadership of Digital Learning:

<table>
<thead>
<tr>
<th>Certificate in Leadership of Digital Learning (12 hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 651 Leading Continuous Improvement of Digital Learning</td>
</tr>
<tr>
<td>EDUC 652 Leading Evolving Digital Learning Systems</td>
</tr>
<tr>
<td>IT 651 Leading IT Innovation in Education: Problem Analysis</td>
</tr>
<tr>
<td>IT 652 Leading IT Innovation in Education: Solution Analysis</td>
</tr>
</tbody>
</table>

CERTIFICATE IN CONFLICT RESOLUTION FOR EDUCATORS (CER)
The Center for Conflict Resolution offers a 12-hour graduate certificate in Conflict Resolution designed especially for educators. This unique program includes on-line course work and a one-week residency session for the development of practical skills and for preparing trainers of mediators in the school setting. Special materials for trainers will be provided. Students may apply the 12 hours toward the Master of Education in Leadership of Learning degree.

PLEASE NOTE: Because courses are offered online, students must have access to a computer with an internet connection and have sufficient technical proficiency for the online environment.

Admission Requirements
Admission requirement for the certificates in Conflict Resolution are:

1. Complete an application and application fee (see online link to admission);
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree in education or related field from a regionally accredited college or university or equivalent;
3. A cumulative undergraduate approximate B average or above in the area of focus or related area and evidence of an overall productive GPA;
4. Submit official transcripts showing all previous college work;
5. Submit a current resume;
6. Two letters of recommendation;
7. A purpose statement of no more than 1,000 words detailing the applicant’s motivation for undertaking a focused study on conflict resolution and reconciliation in education.

Requirements for the 12-hour certificate in conflict resolution for educators:

<table>
<thead>
<tr>
<th>Certificate in Conflict Resolution for Educators (12 hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONR 601 Conflict Theory and Communication</td>
</tr>
<tr>
<td>CONR 605 Mediation and Negotiation (6-hours)</td>
</tr>
<tr>
<td>CONR 615 Managing Conflict in Schools</td>
</tr>
<tr>
<td>Residency Session – Requires travel to one-week residency session location.</td>
</tr>
</tbody>
</table>

SUPERINTENDENT CERTIFICATION
15 hours in addition to the principal certification
Major Code: SUPT

Admission Requirements
Admission requirements for the superintendent certification are as follows:

1. Complete an application and application fee (see online link to admission);
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned master’s degree in education or related field from a regionally accredited college or university or equivalent;
3. A cumulative undergraduate approximate B average or above in the area of focus or related area and evidence of an overall productive GPA;
4. Submit official transcripts showing all previous college work;
5. Submit a current resume;
6. Two letters of recommendation;
7. A purpose statement.
8. Have access to a K-12 school or school district.

Requirements for the superintendent certification are:

<table>
<thead>
<tr>
<th>Superintendent Certification (15 hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 656 School Finance</td>
</tr>
<tr>
<td>EDUC 668 Practicum/Capstone in the School Superintendent</td>
</tr>
<tr>
<td>EDUC 672 Educational Facilities</td>
</tr>
<tr>
<td>EDUC 674 Policy and Politics in Education</td>
</tr>
<tr>
<td>EDUC 676 District Instructional Leadership</td>
</tr>
</tbody>
</table>

M. Ed. for Teaching and Learning
Andrew Huddleston, Graduate Advisor
ACU Box 29008
Abilene, Texas 79699-9008
Education Building, Room 101
Phone: 325-674-2112
Fax: 325-674-2123
Email: andrew.huddleston@acu.edu
Web: www.acu.edu/education

The Abilene Christian University Department of Teacher Education offers a Master of Education (MEd) in Teaching and Learning. The degree is available to high performing teacher candidates completing their initial Texas teacher certification program through Abilene Christian University. Candidates will matriculate into the program in the final spring semester of their undergraduate program. The degree is a 30-hour master’s with an additional 6 graduate-level hours included as part of the undergraduate program.

The M.Ed. in Teaching and Learning includes an emphasis on inquiry-based practice, providing teacher candidates with skills needed to make instructional decisions informed by valid assessment data. The degree will equip graduates to meet the needs of diverse student populations and to serve in various curriculum leadership roles in schools. In addition to the primary certification, the M.Ed. in Teaching and Learning includes the supplemental Texas certification in special education.
The Abilene Christian University Teacher Education program is approved by the Texas Education Agency and is nationally accredited through the Teacher Education Accrediting Council (TEAC).

Admission Requirements
Admission requirement for the M.Ed. in Teaching and Learning are as follows:

1. Candidates must be currently enrolled in an undergraduate degree that includes teacher certification. The GPA requirement will be 3.0 overall and 3.0 in the content field.
2. Candidates must have earned no grade lower than a B in any professional education courses (EDUC, READ, EACH, SPED).
3. Candidates must have no score below 3 on the Dispositions Review completed by three ACU faculty members (two from the Department of Teacher Education and one from the content area department for middle school, high school and all-levels applicants except special education or three from the Department of Teacher Education for all other applicants).
4. A completed application to the Fifth-Year Master’s in Teaching and Learning Degree sequence with a statement of purpose and philosophy (maximum of two pages with 12-point font, double-spaced) addressing one’s motivation for pursuing the degree and describing one’s current philosophy of education.

M.Ed: Teaching and Learning
Major Code: METL

<table>
<thead>
<tr>
<th>Spring of Senior Year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 653 Educational Research³ (3)</td>
<td></td>
</tr>
<tr>
<td>SPED 577 Teaching Students with High Incidence Disabilities³ (3)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Summer</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CONR 615 Managing Conflict in the Schools (3)</td>
<td></td>
</tr>
<tr>
<td>EDUC 688 Creating Effective Learning Environments (3)</td>
<td></td>
</tr>
<tr>
<td>SPED 674 Emotional and Behavioral Disorders in Children (3)</td>
<td></td>
</tr>
<tr>
<td>SPED 681 Teaching Students with Low Incidence Disabilities (3)</td>
<td></td>
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<td>EDUC 691 Education Workshop (3)</td>
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<td>SPED 684 Assessment of Students with Exceptional Needs (3)</td>
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<td>EDUC 686 Reframing Learning (3)</td>
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<td>EDUC 691 Education Workshop² (3)</td>
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<td>EDUC 621 Overcoming Learning Barriers (3)</td>
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Teacher candidates matriculating into the M.Ed. in Teaching and Learning will not student teach at the undergraduate level. EDUC 490 will be waived for these students with completion of the first six hours of the master’s and their undergraduate degree reduced by 6 hours. Certification can then be granted after the completion of student teaching as part of the master’s.

¹This cohort program with all students moving through as a cohort. The first summer courses may be offered in varying order.
²EDUC 691 will be taken twice for a total of six hours.

English
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Faculty
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Laura Carroll, Associate Professor
William Carroll, Associate Professor
Suanna Davis, Assistant Professor
Mikee Delony, Associate Professor
Kyle Dickson, Associate Professor
Jeremy Elliot, Assistant Professor
Al Haley, Associate Professor
Steven T. Moore, Associate Professor
Shelly Sanders, Associate Professor
Joseph F. Stephenson, Associate Professor
Darryl Tippens, Professor
Jeanine Varner, Professor
Stephen R. Weathers, Associate Professor
Debbie Williams, Associate Professor

Introduction
Graduate courses in English at ACU are aimed primarily at preparing students for entry in PhD programs, terminal MFA programs, or for seeking employment as teachers. As one of a very few religiously-based institutions to offer an MA in English (according to Peterson’s Christian Colleges and Universities, ACU is the only CCCU school and the only university affiliated with Churches of Christ to offer such a program), ACU is uniquely situated to prepare Christian scholars for service and leadership throughout the world.

The Department of Language and Literature offers a Master of Arts (MA) degree in English with three courses of study for students interested in particular subfields of English studies: a literature track, a composition/rhetoric track, and a writing track. Each of these tracks is aimed at giving students the broadest preparation possible for work in their particular subfield.

Graduate students begin their study with core courses that emphasize intersections of faith and English studies, teacher training and pedagogical exploration, and scholarly production.

The literature track asks students to explore the critical and theoretical approaches to texts written in the various literary periods and exposes students to writers from across the literary spectrum. Courses in this track emphasize student research, writing, and presentation. Students have the option of thesis or non-thesis plans.

The composition and rhetoric track offers students advanced training in current pedagogical rhetorical theory, and is designed primarily for those interested in teaching composition. This track emphasizes student research, writing, and presentation. Students have the option of thesis or non-thesis plans.

The writing track emphasizes creative writing or technical and professional writing by means of courses conducted through workshop, reading, and writing. A thesis is required for all students in this track.

All degree plans involve 36 hours of course work (18 of which must be conducted at the 600-level) with up to 6 hours dedicated to thesis writing and another six available for courses in a support field offered by another department or program. A 3-hour guided study option is also offered to help students prepare for comprehensive exams.
Admission Requirements

Admission requirements for the MA in English are:

1. Complete an application and application fee (see online link to admission);
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree from a regionally accredited college or university or equivalent;
3. A cumulative undergraduate approximate B average or above in the area of focus or related area and evidence of an overall productive GPA;
4. Two letters of recommendation;
5. An official GRE score;
6. Purpose statement identifying the reason for pursuing graduate study and future goals; and
7. A writing sample in either:
   a. A sample critical essay (maximum of 15 pages) that demonstrates the applicant’s capacity for interpretation and literary analysis, or
   b. A sample creative writing in prose or poetry (maximum of 20 pages) if the student intends to pursue the writing emphasis track. Writing samples will not be returned unless a self-addressed, stamped envelope is provided.
8. 12 hours of upper-division English courses.

Applicants who fail to meet one or more admission requirements may be admitted conditionally. A letter to the student will specify the procedures and deadlines for satisfying the entrance requirements.

Except for the language requirement, deficiencies ordinarily must be satisfied during the first semester of study.

ENGLISH – LITERATURE TRACK (MA)

Major Code: ENGL

Requirements for the MA in English, literature track, 36-hour thesis/non-thesis program are:

1. Core, 9 hours:
   ENGL 613 Literary Theory and Faith
   ENGL 652 Rhetorical Theory and Praxis
   ENGL 600 Guided Study in Intensive Research
2. Literature, 9 hours:
   ENGL 620 Literary Research Methods and Publication
   ENGL 631 Contexts: Studies in a Single Author
   ENGL 633 Connections: Studies in a Literary Period
3. Discourse Studies, 0-9 hours:
   ENGL 530 Advanced English Grammar
   ENGL 532 Introduction to Linguistics
   ENGL 622 Rhetoric and Belief
   ENGL 623 Discourse Theory
   ENGL 624 Non-Traditional Rhetoric
4. Writing, 0-6 hours:
   ENGL 520 Creative Nonfiction Workshop
   ENGL 522 Fiction Workshop
   ENGL 523 Poetry Workshop
5. General literature, 0-9 hours:
   ENGL 571 Literature and Belief
   ENGL 576 Fiction
   ENGL 577 Drama
   ENGL 578 Poetry
   ENGL 615 World Literature
6. American literature, 6-12 hours:
   ENGL 562 American Literature to 1860
   ENGL 563 American Literature after 1860
   ENGL 564 American Novel
   ENGL 570 Multicultural Literature
   ENGL 610 Studies in American Literature (may be repeated up to 9 hours)
   ENGL 631 Contexts: Studies in a single author when author is from American literature.
7. British literature to 1789, 3-12 hours:
   ENGL 581 Medieval British Literature
   ENGL 583 Shakespeare
   ENGL 584 17th-Century British Literature
   ENGL 612 Studies in British Literature (may be repeated up to 9 hours)
   ENGL 631 Contexts: Studies in a single author when author is from British literature.
8. British literature after 1789, 3-12 hours
   ENGL 595 18th Century British Literature
   ENGL 596 19th Century British Literature
   ENGL 597 20th Century British Literature
   ENGL 612 Studies in British Literature
   ENGL 631 Contexts: Studies in a single author when author is from British literature.
9. Support field, 0-6 hours
10. Thesis credits, 6 hours (optional)
11. Comprehensive Exams
12. Competence in a second language approved by the English graduate advisor (usually demonstrated through the completion of sophomore-level foreign language courses).

ENGLISH – COMPOSITION/RHETORIC TRACK (MA)

Major Code: ENGL

Requirements for the MA in English, composition/rhetoric track, 36-hour thesis/non-thesis program are:

1. Core, 9 hours:
   ENGL 613 Literary Theory and Faith
   ENGL 652 Rhetorical Theory and Praxis
   ENGL 600 Guided Study in Intensive Research
2. Rhetoric/Composition, 9 hours:
   ENGL 622 Rhetoric and Belief
   ENGL 623 Discourse Theory
   ENGL 625 Literary Research Methods and Publication
3. Discourse Studies, 0-12 hours:
   ENGL 530 Advanced English Grammar
   ENGL 532 Introduction to Linguistics
   ENGL 558 Teaching English as a Second Language
   ENGL 624 Non-Traditional Rhetoric
4. Writing, 0-9 hours:
   ENGL 520 Creative Nonfiction Workshop
   ENGL 522 Fiction Workshop
   ENGL 523 Poetry Workshop
   ENGL 540 Special Topic: Playwriting
5. Literature, 3-9 hours:
   ENGL 562 American Literature to 1860
   ENGL 563 American Literature after 1860
   ENGL 564 American Novel
   ENGL 570 Multicultural Literature
   ENGL 571 Literature and Belief
   ENGL 572 Film and Belief
   ENGL 576 Fiction
   ENGL 577 Drama
   ENGL 578 Poetry
   ENGL 581 Medieval British Literature
   ENGL 583 Shakespeare
   ENGL 584 17th Century British Literature
ENGL 595 18th Century British Literature
ENGL 596 19th Century British Literature
ENGL 597 20th Century British Literature
ENGL 610 Studies in American Literature (may be repeated up to 9 hours)
ENGL 612 Studies in British Literature (may be repeated up to 9 hours)
ENGL 615 World Literature
6. Support field, 0-6 hours
7. Thesis credits, 6 hours (optional)
8. Comprehensive Exams
9. Competence in a second language approved by the English graduate advisor (usually demonstrated through the completion of sophomore-level foreign language courses).

ENGLISH – WRITING TRACK (MA)

Major Code: ENGL

Requirements for the MA in English, writing track, 36-hour thesis program are:

1. Core, 6 hours:
   ENGL 613 Literary Theory and Faith
   ENGL 652 Rhetorical Theory and Praxis
2. Writing, 12-15 hours:
   ENGL 520 Creative Nonfiction Workshop
   ENGL 522 Fiction Workshop
   ENGL 523 Poetry Workshop
   ENGL 525 Advanced Composition
   ENGL 526 Business and Professional Writing
   ENGL 540 Special Topic: Playwriting
3. Language, 0-9 hours:
   ENGL 529 Rhetoric as Written Discourse
   ENGL 530 Advanced English Grammar
   ENGL 532 Introduction to Linguistics
   ENGL 558 Teaching English as a Second Language
4. Literature, 0-9 hours:
   ENGL 551 Literature for Young Adults
   ENGL 562 American Literature to 1860
   ENGL 563 American Literature after 1860
   ENGL 564 American Novel
   ENGL 570 Multicultural Literature
   ENGL 571 Literature and Belief
   ENGL 572 Film and Belief
   ENGL 576 Fiction
   ENGL 577 Drama
   ENGL 578 Poetry
   ENGL 581 Medieval British Literature
   ENGL 583 Shakespeare
   ENGL 584 17th Century British Literature
   ENGL 595 18th Century British Literature
   ENGL 596 19th Century British Literature
   ENGL 597 20th Century British Literature
   ENGL 610 Studies in American Literature (may be repeated up to 9 hours)
   ENGL 612 Studies in British Literature (may be repeated up to 9 hours)
   ENGL 615 World Literature
5. Support field, 0-6 hours
6. Thesis credits, 6 hours
7. Comprehensive Exams, Guided Study 0-3 hours
8. Competence in a second language approved by the English graduate advisor (usually demonstrated through the completion of sophomore-level foreign language courses).
Higher Education

Jason Morris, Graduate Director
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Web: highered.acu.edu

Faculty
Jason Morris, Associate Professor

Introduction
The Master of Education in Higher Education, with an emphasis in college student affairs and either enrollment management or conflict management, is a 36-hour program designed to prepare students for a professional career in a broad range of higher education settings.

Higher education is understood increasingly as a holistic enterprise that requires not only a traditionally organized discipline-oriented faculty but also a cadre of professionals trained in co-curricular concerns—matters that command great importance in the lives of college students but are not commonly the focus of classroom experiences. This program is designed both for working student development professionals who reside in a higher education setting and need advanced training and for recent college graduates who have an interest in working in higher education.

The program will prepare students to incorporate faith-based principles in professional practice. Graduates will be qualified for roles such as residence life director, academic advisor, international student coordinator, financial aid counselor, intramurals director, career services advisor, and many others. The degree will also provide a solid foundation for future doctoral work in higher education.

This program is designed to provide learning that is both content-based and experiential and that is intentional in its consideration and integration of the role of Christian faith in the work of a higher education professional. Upon completion of this program, students will be knowledgeable about and competent in:
- Resource management in higher education
- Diversity and intercultural issues
- Conflict resolution
- Assessment and evaluation
- Student development
- Legal and ethical issues in higher education
- Student spiritual formation
- Research methodology

Admission Requirements

Admission requirements for the MEd in higher education are:
1. Complete an application and application fee (see online link to admission);
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree from a regionally accredited college or university or equivalent;
3. A cumulative undergraduate approximate B average or above in the area of focus or related area and evidence of an overall productive GPA;
4. Two letters of recommendation;
5. A written purpose statement describing the applicant’s reasons for wishing to enter the higher education program and future career plans; and
6. A personal interview with the program director. Contact Jason Morris to arrange the interview.

HIGHER EDUCATION (MED)
Major Code: HIGH

Requirements for the MEd in higher education are:
1. Higher Education courses:
   - HIED 611 Foundations of Higher Education
   - HIED 613 Introduction to Student Services
   - HIED 621 Research and Assessment in Higher Education
   - HIED 622 College Students and Student Developmental Theory
   - HIED 632 Spiritual Development in College Students
   - HIED 635 Higher Education Resource Management
   - HIED 643 Legal and Ethical Issues in Higher Education
   - HIED 694 HIED Residency (0 hours)
   - HIED 695 Internship with Embedded Capstone
2. Conflict Resolution courses:
   - CONR 601 Conflict Theory and Communication
   - CONR 605 Negotiation and Mediation
   - CONR 610 Managing Conflict in the Workplace

GRADUATE CERTIFICATE ENROLLMENT MANAGEMENT (CER)
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Web: www.acu.edu/grad

Faculty
Jason Morris, Ed.D., Associate Dean, Honors College, Director, Masters Program in Higher Education and Associate Professor of Higher Education
Mark McCallon, Ed.D., Associate Professor of Library Science and Assistant Director of Brown Library

Introduction
The Certification in Enrollment Management (CER-EMC) is offered through the College of Education and Human Services. The certificate is a 12-credit hour post-baccalaureate certificate. The certificate courses are offered in an online format with a mandatory residency session (offered in Dallas) designed to concentrate on practical skill development.

PLEASE NOTE: Because courses are offered online, students must have access to a computer with an internet connection and have sufficient technical proficiency for the online environment.

The mission of the Certificate in Enrollment management is to prepare entry and mid-level enrollment professionals for the ever-changing world of marketing, recruiting and retention of students in the higher education setting.

Primary purposes of the program are to equip and enable graduates who:
- Integrate the historical underpinnings, functionality, and professional standards of enrollment management into professional practice.
- Demonstrate an understanding of prospecting and enrollment marketing.
- Administer appropriate admissions decisions strategies related to the recruitment and selection of students.
- Demonstrate an understanding student orientation, advising, retention, and the ongoing management of enrollment.

Course work in this program has been designed to provide students with a depth of knowledge in the theory and practice of enrollment
The inclusion of pricing, strategy, retention and student services reflects the importance of developing a holistic view of enrollment management within the broader higher education framework. Each student is introduced and immersed into concepts that will develop their capacity for advancement into positions of greater authority and effectiveness in their careers in higher education enrollment management.

Admission requirements for the MEd in higher education are:

Entrance into the program is not limited to any specific undergraduate degree. The admission requirements for the CER-EMC program are:

1. Complete an application and application fee (see online link to admission);
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree from a regionally accredited college or university or equivalent;
3. A cumulative undergraduate approximate “B” average or above in the area of focus or related area and evidence of an overall productive GPA;
4. Two letters of recommendation;
5. A written purpose statement describing the applicant’s reasons for wishing to enter the higher education program and future career plans; and
6. A personal interview with the program director. Contact Jason Morris to arrange the interview.

**CERTIFICATE IN ENROLLMENT MANAGEMENT (CER)**

Major code: EMC

Requirements for the certificate in enrollment management are:

1. Required (12 hours)
   - HIED 652 Foundations of Enrollment Management
   - HIED 654 Approaches to Marketing, Recruitment and Selection
   - HIED 656 Pricing and Financial Aid in Enrollment Management
   - HIED 658 Retention and College Student Success
2. Residency Session

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**Liberal Arts**

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**Faculty**

The graduate faculty of the university serves as the faculty for the Master of Liberal Arts.

Abilene Christian University offers the Master of Liberal Arts degree with concentrations in a variety of fields in which the university offers master’s degrees.

**Introduction**

The Master of Liberal Arts (MLA) program offers students who have completed at least a baccalaureate degree a means of formal personal enrichment through the interdisciplinary MLA degree. Liberal arts study is for anyone with a bachelor’s, master’s, or doctoral degree who wishes to continue the “unfinished business” of a liberal arts education, the quest for knowledge about Mankind, God, and His world.

Liberal arts study at ACU permits the student to explore a wide range of disciplines and personal interests at the graduate level. The MLA student may take graduate courses from any area in which he or she can meet the specific course prerequisites. Thus, a student can gain understanding in a broad graduate curriculum within the context of Christian higher education.

The program is not designed to produce a standard career credential as are more traditional master’s degree programs. Rather, the liberal arts program seeks the intellectual development and professional enhancement of adult students in areas such as the arts and humanities, social sciences and religion with additional enrichment from professional and technical areas such as business.

In the arts and humanities, courses in literature, communication and history seek to address such enduring questions as what mankind is to live for and how humans should conduct themselves.

In the social sciences, courses in psychology, sociology and family studies endeavor to assist the student in forming a critical awareness of the complexity of human affairs and inter-relationships and in establishing an ethical framework for making informed decisions about human affairs and the social institutions that promote orderly human discourse.

In religion, courses address the nature of humanity’s being and purpose and mankind’s interaction with fellow man and with God. Religion courses also include application courses in such areas as missions or biblical ministry. In business, courses in management and finance assist the student in understanding the theoretical and practical framework of everyday human interchange.

The liberal arts student will be responsible for helping design his or her degree plan because each is crafted to the student’s individual needs and desires for higher education. The degree plan must meet the parameters given in the degree requirements below. In many cases, the student can help design a degree plan that can be completed with evening and short courses. In others, the student will find it desirable to participate in regular day classes to gain the experiences desired.

The liberal arts student will first work with the MLA advisor to determine the dominant areas of interest and an appropriate graduate committee. The graduate committee will then work with the Graduate School through the completion of the individual MLA degree program. The committee and degree program should be approved by the end of the second semester of enrollment.
The liberal arts student may apply to take courses in any graduate department of the university, but should remember that some courses have specified prerequisites. Note: the courses in some programs, including online programs, are available only to students formally admitted to those programs. In some cases, the student will require special admission to the course from the instructor or the chair of the department. Specific courses may be required and appropriate research competencies must be demonstrated to the satisfaction of the student’s graduate degree committee, the MLA advisor and the graduate dean.

Each degree program operates under the general supervision of the dean of the Graduate School. The initial advisor will be the MLA advisor. A supervisory committee of appropriate graduate faculty (at least three) will be appointed to consult with, advise and evaluate the student’s progress. Each degree plan will be approved by the graduate dean and committee members from appropriate areas of study in consultation with the MLA advisor.

Admission Requirements
Admission requirements for the MA of Liberal Arts are:
1. Complete an application and application fee (see online link to admission);
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree from a regionally accredited college or university or equivalent;
3. A cumulative undergraduate approximate B average or above in the area of focus or related area and evidence of an overall productive GPA;
4. Two letters of recommendation;
5. Official GRE score;
6. Personal interview with the MLA advisor or one appointed by the MLA advisor; and
7. Impromptu written statement from the applicant describing the purposes and objectives for entering the MLA program.

An admission committee will determine the student’s eligibility for admission. Admission applications will be reviewed on a rolling basis as received prior to the beginning of each academic term. Admission decisions will apply all general standards for the Graduate School.

MASTER OF LIBERAL ARTS (MLA)
Major Code: GELF

Requirements for the MLA are:
1. This interdisciplinary degree requires studies in various disciplines with the courses and areas being related by the student’s intellectual curiosity and needs.
2. The student must demonstrate appropriate research competencies to the satisfaction of the supervisory committee, the MLA advisor and the graduate dean. Specific courses may be required to build research competencies.
3. At least 36 hours meeting the general requirements of the Graduate School (including at least 50 percent at the 600 level or above) and the following guidelines:
   a. Two academic divisions: the program must include courses from at least two academic divisions of the university.
   b. Cluster of courses: 18 hours must reflect a cluster of courses related by theme or topic. The student has considerable freedom in defining a cluster theme or topic.
4. Single discipline: a maximum of 18 hours may be applied from a single discipline. Additional hours within a discipline may be taken as electives over and above the 36 hours required for the degree.
5. Other areas of interest: 12-15 hours may be related to any of the student’s other interests.
6. Synthesis project: a 3-6 hour project related to the cluster area will culminate the degree program. Guided by the supervisory committee, this project will demonstrate the student’s ability to develop ideas and use analytical skills at the master’s level.
7. Comprehensive examination: The student will successfully complete a written and/or oral comprehensive examination extending the synthesis project and relating the course work under the direction of the supervisory committee. Unsatisfactory performance may require additional course work before another examination may be attempted.

Degree Process
In order to complete a degree, the student with the assistance of the MLA advisor, faculty appointee or the graduate dean must:
1. Select the areas of emphasis, including selecting possible courses to fulfill interests.
2. Set up a supervisory committee.
   a. Based on areas of interest.
   b. Must be selected by the completion of 12 hours of enrollment.
3. Design a degree plan.
   a. Refine preliminary interests.
   b. Consult the supervisory committee.
   c. Decide on a tentative type of project to determine total project credits.
4. Have degree plan approved by the committee and the Graduate School.
5. Take courses to fulfill approved degree plan.
   a. Modify degree plan, if necessary.
   b. Work closely with the supervisory committee.
6. Complete project.
7. Defend the curriculum chosen and the project that ties it together in the comprehensive examination.
8. Complete the steps for graduation as outlined by the Graduate School.
Marriage and Family Therapy

Dale Bertram, Program Director
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Web: www.acu.edu/mft

Faculty
Dale Bertram, Professor
Greg Brooks, Assistant Professor
Jaime Goff, Associate Professor
Tom Milholland, Professor
Supervising clinical faculty:
Kurt Boyland
Cara Flanders
Janet Jergins
Steve Rowlands
Steve Willis
Faculty from other departments who teach in this program:
Steve Allison, Associate Professor of Psychology
Richard Beck, Associate Professor of Psychology
Scott Perkins, Associate Professor of Psychology

Introduction
The Department of Marriage and Family Studies, located in the College of Biblical Studies at Abilene Christian University, offers a Master in Marriage and Family Therapy (MMFT) degree.

The 60-hour Marriage and Family Therapy degree plan is designed to be completed in 24 consecutive months. Part-time students are not admitted to the program.

The program is accredited by the Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE).

The primary objective of the degree is to provide professional training for persons intending to occupy positions in community mental health agencies, child and family service agencies, church ministries, institutional settings, and private practice, as well as those desiring advanced academic degrees. The majority of MMFT graduates are working in the placement of their choice or are accepted into doctoral programs in a variety of disciplines including marriage and family therapy, counseling psychology, and family studies.

The clinical faculty of the department are practicing clinicians and supervisors, certified as Clinical Fellows and Approved Supervisors by the American Association for Marriage and Family Therapy (AAMFT), and licensed by the Texas State Board of Examiners. Most also hold another license in either psychology or professional counseling.

The Marriage and Family Therapy program is committed to a value system that espouses a Christian worldview in terms of human nature, the development of interpersonal or intrapersonal problems, and the context within which those problems can be solved. Integration of theory, therapy, theology and spirituality are found in the classroom as well as within the clinical experience.

The curriculum is intended to prepare graduates for membership in the AAMFT and state licensure in marriage and family therapy. Additionally, the Marriage and Family Therapy program prepares graduates for licensure as a Licensed Professional Counselor, with the addition of one course to the degree plan.

Each graduate will receive a minimum of 500 hours of direct clinical experience and 100 hours of approved supervision, both of which are graduation requirements. Supervision is provided by the departmental faculty. Graduates also meet the requirements necessary to begin post-graduate licensure requirements.

Two predominant components of the program are clinical training and academic research. Beginning in the fall semester of the first year, all students are evaluated and then begin their clinical experience. The intern initially functions as a co-therapist beginning in the early spring of the first year. Supervision of this internship is provided by the MFT faculty in individual and group settings utilizing video, live and case presentation approaches.

The supervision experience focuses on integrating the student’s academic training with the clinical skills of marriage and family therapy. During the clinical phase, interns develop skills of assessing, diagnosing and treating individuals, couples and families from both medical models and systems perspectives.

Since each supervisor may come from a different therapeutic model, students are exposed to a variety of models such as cognitive-behavioral, structural-strategic, multi-generational, narrative, integrative, brief-solution focused, emotionally focused, and internal family systems.

The clientele for the internship experience come from the community and offer a wide variety of problems. Most internships are conducted in the department’s clinical facilities with 11 therapy rooms equipped with closed-circuit color television cameras and phone-in supervision capabilities.

A second emphasis within the department is research. Students are required to submit abstracts for presentation at the annual conference of the Texas Association for Marriage and Family Therapy. It is a refereed process, and most of our students’ projects are accepted for presentation. The research projects are prepared for submission to refereed journals and are occasionally accepted for publication. All projects are guided by a primary faculty researcher. The research projects are either qualitatively or quantitatively oriented.

Admission Requirements
Admission to the program is on a competitive basis. The admission requirements for the MMFT are:

1. Complete an application and application fee (see online link to admission);
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree from a regionally accredited college or university or equivalent;
3. A cumulative undergraduate approximate B average or above in the area of focus or related area and evidence of an overall productive GPA;
4. A minimum GRE score of 280
5. Three letters of recommendation;
6. A written purpose statement declaring why the applicant wishes to study marriage and family therapy at ACU and what he or she plans to do professionally upon graduation;
7. Completion of a psychosocial history;
8. A quality of life that reflects high moral standards;
9. An on-campus interview with the faculty. The personal interview for applicants residing outside the continental United States can be done via Skype.

When all required materials are assembled, the application will be reviewed by the MFT faculty. Students are admitted once a year and begin their program of study in the fall semester. All application materials MUST be completed by the preceding February 15 for the fall semester. The GRE and personal interviews MUST be completed by March 15. Acceptance into the program will be granted by April 1.
No specific undergraduate major is essential for admission. Applicants are encouraged to have undergraduate credit in subjects that embrace human development, family relations, theology, sociology, psychology and statistics.

Applicants without adequate preparation may be accepted upon the condition that they register for additional courses deemed necessary by the graduate advisor.

MASTER OF MARRIAGE AND FAMILY THERAPY (MMFT)

Major Code: MFTH

The Master of Marriage and Family Therapy (MMFT) degree plan for all students follows the requirements of the Commission on Accreditation for Marriage and Family Therapy Education. Students are expected to take courses in the sequence required by the department. No more than 12 semester hours may be transferred into the program with the approval of the graduate advisor.

Requirements for the MMFT are:

1. Marital and family systems, 3 hours:
   - BMFT 639 Family Theory/General Systems Theory

2. Marital and family therapy, 15 hours:
   - BMFT 610 Couples Therapy
   - BMFT 641 Family Therapy I
   - BMFT 645 Systemic Diagnosis and Assessment
   - BMFT 651 Sexual Therapy
   - BMFT 661 Family Therapy II

3. Individual development, 9 hours:
   - BMFT 662 Family Life Cycle
   - BMFT 663 Cultural Diversity in Marriage and Family Therapy
   - BMFT 665 Family Therapy Across the Life-Cycle

4. Professional studies, 3 hours:
   - BMFT 643 Professional Ethics and the Law

5. Supervised clinical practice, 15 hours:
   - BMFT 601, 602, 603, 604, 605

6. Research, 3 hours:
   - BMFT 615 Research Methods in Family Therapy

7. Additional courses, 6 hours:
   - BIBM 696 Theological Perspectives on Human Behavior
   - BMFT 634 Addictive Disorders

8. Two electives from a related area in the university with the approval of the Department Chair.


<table>
<thead>
<tr>
<th>Degree Sequence</th>
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<tbody>
<tr>
<td>YEAR 1</td>
<td></td>
</tr>
<tr>
<td><strong>Fall</strong></td>
<td></td>
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<tr>
<td>BMFT 639</td>
<td>Family Theory</td>
</tr>
<tr>
<td>BMFT 610</td>
<td>Couples Therapy</td>
</tr>
<tr>
<td>BMFT 601</td>
<td>Pre-Internship</td>
</tr>
<tr>
<td>BMFT 641</td>
<td>Family Therapy I</td>
</tr>
<tr>
<td><strong>Spring</strong></td>
<td></td>
</tr>
<tr>
<td>BMFT 602</td>
<td>Internship I</td>
</tr>
<tr>
<td>BMFT 645</td>
<td>Systemic Diagnosis and Assessment</td>
</tr>
<tr>
<td>BMFT 615</td>
<td>Research Methods in Family Therapy</td>
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<tr>
<td></td>
<td>Elective from related area in the university</td>
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<tr>
<td><strong>Summer</strong></td>
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<tr>
<td>BMFT 655</td>
<td>Family Therapy Across the Life Cycle</td>
</tr>
<tr>
<td>BMFT 643</td>
<td>Professional Ethics and the Law</td>
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</tbody>
</table>

| YEAR 2          |     |
| **Fall**        |     |
Introduction
The Graduate School at Abilene Christian University offers an online Master in Marriage and Family Therapy (MMFT) degree.

The 60-hour Marriage and Family Therapy degree plan is designed to be completed in 30 consecutive months. Students will register for one online 7-week course at a time.

The primary objective of the degree is to provide professional training for persons intending to occupy positions in community mental health agencies, child and family service agencies, church ministries, institutional settings, and private practice, as well as those desiring advanced academic degrees. The Marriage and Family Therapy program is committed to a value system that espouses a Christian worldview in terms of human nature, the development of interpersonal or intrapersonal problems, and the context within which those problems can be solved.

The curriculum is intended to prepare graduates for membership in the AAMFT and state licensure in marriage and family therapy. Students may elect to complete a general MFT track or a Medical Family Therapy track. Students selecting the general MFT track may pursue licensure as a Licensed Professional Counselor in Texas with elective selections of Group Psychotherapy and Career Counseling.

Each graduate will receive a minimum of 500 hours of direct clinical experience and 100 hours of approved supervision, both of which are graduation requirements. Students are responsible for identifying their own internship sites and for providing their own recording technology to record samples of their clinical work. Supervision is provided by departmental faculty and local supervisors identified by the student. Group supervision provided by the MFT faculty will utilize video and case presentation approaches. The supervision experience focuses on integrating the student’s academic training with the clinical skills of marriage and family therapy.

Admission Requirements
Admission to the program is on a competitive basis. The admission requirements for the online MMFT are:

1. Complete an application and application fee (see online link to admission);
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree from a regionally accredited college or university or equivalent;
3. A cumulative undergraduate approximate B average or above in the area of focus or related area and evidence of an overall productive GPA;
4. Three letters of recommendation;
5. A written purpose statement declaring why the applicant wishes to study marriage and family therapy at ACU and what he or she plans to do professionally upon graduation;
6. Completion of a psychosocial history;
7. A quality of life that reflects high moral standards;
8. A video-conferenced interview with the Program Director may be requested.

When all required materials are assembled, the application will be reviewed by the MFT Program Director. Students are admitted three times a year and begin their program of study in the spring, summer, or fall semesters. All application materials MUST be completed at least two weeks in advance of when the student would like to begin the program.

No specific undergraduate major is essential for admission. Applicants are encouraged to have undergraduate credit in subjects that embrace human development, family relations, theology, sociology, psychology and statistics.

Applicants without adequate preparation may be accepted upon the condition that they register for additional courses deemed necessary by the Program Director.

MASTER OF MARRIAGE AND FAMILY THERAPY (MMFT)
Major Code: MFTH

The degree plan for the online Marriage and Family Therapy program consists of 48 credit hours in the Foundational Curriculum and 12 credit hours in the student’s choice of specialization: general MFT or Medical Family Therapy (MedFT). Upon completion of the first 15 credit hours, students will be evaluated to determine whether or not they may proceed into the clinical training portion of the program. Students must earn a minimum cumulative 3.0 GPA in the first 15 credit hours; receive a minimum grade of B in BMFT 601 Pre-Internship; and pass a Clinical Readiness Assessment completed by program faculty. No more than 12 semester hours may be transferred into the program with the approval of the Program Director.

Requirements for the MMFT, General MFT track, are:

10. Marital and family systems, 3 hours:
   BMFT 639 Family Therapy/General Systems Theory
11. Marital and family therapy, 15 hours:
   BMFT 610 Couples Therapy
   BMFT 641 Family Therapy I
   BMFT 645 Systemic Diagnosis and Assessment
   BMFT 651 Sexual Therapy
   BMFT 661 Family Therapy II
12. Individual development, 9 hours:
   BMFT 662 Family Life Cycle
   BMFT 663 Cultural Diversity in Marriage and Family Therapy
   BMFT 665 Family Therapy Across the Life-Cycle
13. Professional studies, 3 hours:
   BMFT 643 Professional Ethics and the Law
14. Supervised clinical practice, 15 hours:
   BMFT 601, 602, 603, 604, 605
15. Research, 3 hours:
   BMFT 615 Research Methods in Family Therapy
16. Additional courses, 6 hours:
   BIBM 696 Theological Perspectives on Human Behavior
   BMFT 634 Addictive Disorders
17. Two electives from a related area in the university with the approval of the Program Director.
18. Capstone Project.

Requirements for the MMFT, Medical Family Therapy track, are:

1. Marital and family systems, 3 hours:
   BMFT 639 Family Therapy/General Systems Theory
2. Marital and family therapy, 18 hours:
   BMFT 610 Couples Therapy
with two 3-day residencies required, one at the beginning and one at the end of the program. The majority of coursework will be completed online.

Students must have access to mobile video recording technology to according to guidelines established by the program. In addition, students will be responsible for identifying their own practicum site.

**Family Therapy are as follows:**
- Admission requirements for the Post-Graduate Certificate in Medical Family Therapy are:
  1. Graduation requirements for the Post-Graduate Certificate in Medical Family Therapy are as follows:
    - Graduate school application and application fee
    - Official transcript indicating the successful completion of a Master’s degree from a COAMFTE-accredited Marriage and Family Therapy program. If a Master’s degree was earned from a MFT degree not accredited by COAMFTE, the transcript must be programmed by the Program Director to demonstrate the student’s achievement of the COAMFTE foundational curriculum requirements.
    - Purpose statement
    - Two professional recommendation letters attesting to the applicant’s clinical competence

**Certificate Program Requirements**
Requirements for the Post-Graduate Certificate in Medical Family Therapy are:

<table>
<thead>
<tr>
<th>Certificate Program Sequence</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester I</strong></td>
<td></td>
</tr>
<tr>
<td>Residency – January Term</td>
<td></td>
</tr>
<tr>
<td>BMFT 670: Introduction to Medical Family Therapy</td>
<td></td>
</tr>
<tr>
<td>BMFT 671: Theory &amp; Practice of Medical Family Therapy</td>
<td></td>
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<tr>
<td><strong>Semester II</strong></td>
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<tr>
<td>BMFT 672: Illness, Disability, Death, &amp; Dying across the Lifespan</td>
<td></td>
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<tr>
<td>BMFT 675: Interventions in Medical Family Therapy</td>
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<tr>
<td>BMFT 611: MedFT Practicum*</td>
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<tr>
<td><strong>Semester III</strong></td>
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<tr>
<td>BMFT 611: MedFT Practicum, continued*</td>
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<tr>
<td>Residency *Course description and title pending final approval.</td>
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</tbody>
</table>

**Occupational Therapy**
Hope Martin, OTR, PhD, CHT  
Program Director  
ACU Box 28276  
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Email: hope.martin@acu.edu  
Web: www.acu.edu/occupationaltherapy

**Faculty**  
Samuel Brinkman, PhD, Adjunct Professor  
Catherine Candler, OTR, PhD, BCP, Professor  
Hope Martin, OTR, PhD, CHT, Associate Professor  
Donna Walls, OTR, MS, CHT, Assistant Professor  
Chad Walters, PT, OCS, DTS, Adjunct Professor  
Kari Williams, OTR, MS Fieldwork Coordinator, Assistant Professor  
Amy Gibbs, OTR, Clinical Lab Facilitator  
Matt Garver, PhD, Adjunct Professor

**Major:** Master of Science in Occupational Therapy (MSOT)

**Introduction**
The Mission of the Master of Science in Occupational Therapy (MSOT) is to prepare occupational therapy students to think and act critically, missionally, and globally in Christian service and leadership throughout their respective communities. The goal of the Master of Science in Occupational Therapy is to prepare students to sit for the National Board for Certification in Occupational Therapy, Inc. and to become licensed Occupational Therapists. The program consists of two years of graduate education, including two 12-week fieldwork education rotations.

The entry-level occupational therapy master’s degree program has applied for accreditation by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449. ACOTE’s telephone number is (301) 652-4065 and its Web address is www.acoteonline.org.

The Master of Science in Occupational Therapy program has received Candidacy Status from the Accreditation Council for Occupational Therapy Education (ACOTE). Pre-accreditation status was denied. The on-site visit is scheduled for June 2016. The final accreditation decision will be made at the August 2016 ACOTE Board meeting.

**Admission Requirements**
A cohort of 22-25 students will be accepted from a pool of applications submitted by recent graduates of accredited undergraduate programs. These positions will be determined based on the level of qualification of each student. The admission requirements are:

1. Complete an application and application fee to the ACU Graduate School (see online link to admission) and to OTCAS
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree from a regionally accredited college or university or equivalent
3. A minimum cumulative undergraduate GPA of 3.20
4. Two letters of recommendation (one must be from an occupational therapist who has observed the student). Recommendation forms should be submitted through the online application;
5. Applicants must have performed a minimum of 40 hours of volunteer/observation activity in an OT setting. 80-100 hours
is preferable. Applicants are encouraged to complete observation hours in more than one clinical setting. Applicants should download and complete the Occupational Therapy observation hours form;

6. Applicants must complete an essay as part of the application process. ACU requires occupational therapy applicant to submit 2-3 pages, double-spaced personal essay regarding your interest in and journey towards the field of occupational therapy. Your essay should include: spiritual and/or life experiences that influenced your decision to apply to occupational therapy school, and clinical experience or observation that evoked passion about occupational therapy.

*Note: The acceptance threshold may be higher due to the competitive nature of acceptance. Students who are admitted to the MSOT must have access to a computer throughout the entirety of the program with the specifications found on the website listed below:

http://highered.acu.edu/students/technical-requirements/

**OCCUPATIONAL THERAPY (MS)**

Major Code: OCCT

**Prerequisites**
Anatomy and Physiology I and II (8 hours)
General Psychology (3 hours)
Life Span Development (3 hours)
General Sociology (3 hours)
Statistics (3 hours)
Abnormal Psychology (3 hours)
Medical Terminology (1 hour)

**MSOT Degree Sequence**

<table>
<thead>
<tr>
<th>Year 1</th>
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<tbody>
<tr>
<td><strong>Fall</strong></td>
<td></td>
<td></td>
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<tr>
<td>OCCT 601</td>
<td>Musculoskeletal Anatomy (4)</td>
<td>OCCT 791</td>
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<tr>
<td>OCCT 603</td>
<td>Foundations of Occupational Therapy (2)</td>
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</tr>
<tr>
<td>OCCT 607</td>
<td>Intro to Making (6)</td>
<td>OCCT 795</td>
</tr>
<tr>
<td>OCCT 617</td>
<td>Social Conditions (2)</td>
<td>OCCT 791</td>
</tr>
<tr>
<td><strong>Spring</strong></td>
<td></td>
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<tr>
<td>OCCT 631</td>
<td>Neuroscience (4)</td>
<td></td>
</tr>
<tr>
<td>OCCT 641</td>
<td>Health Conditions Seminar (2)</td>
<td></td>
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<tr>
<td>OCCT 637</td>
<td>Research Process in OT I (2)</td>
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</tr>
<tr>
<td>OCCT 639</td>
<td>Adult Evaluation, Assessment and Implementation with lab (6)</td>
<td></td>
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<tr>
<td>OCCT 690</td>
<td>Physical Disabilities Fieldwork Level I and Documentation (2)</td>
<td></td>
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<tr>
<td><strong>Summer</strong></td>
<td></td>
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<tr>
<td>OCCT 651</td>
<td>Mental Health, Wellness and Social Participation (3)</td>
<td></td>
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<tr>
<td>OCCT 655</td>
<td>Mental Health, Wellness and Social Participation Fieldwork Level I and Documentation (2)</td>
<td></td>
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<tr>
<td>OCCT 670</td>
<td>Group Process (2)</td>
<td></td>
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</tbody>
</table>

**Year 2**

|          |          |          |
| **Fall** |          |          |
| OCCT 635 | Pediatric Evaluation, Assessment and Implementation with lab (4) |          |          |
| OCCT 661 | Hand and Upper Extremity Conditions (4) |          |          |
| OCCT 695 | Pediatrics Fieldwork Level I and Documentation (2) |          |          |
| OCCT 735 | Research in OT II (3) |          |          |
| **Spring** |          |          |
| OCCT 703 | Implementing OT Treatment (2) |          |          |
| OCCT 790 | Fieldwork Level II (6) |          |          |
| OCCT 711 | Ethical and Professional Decision Making in OT (1) |          |          |
| OCCT 739 | Management and Leadership in OT (2) |          |          |
Organizational Development

Jonathan W. Camp, Graduate Director
ACU Box 28156
Abilene, Texas 79699-8156
Sherrod Building – Don Morris Center, Room 215
Phone: 325-674-2191
Fax: 325-674-6966
Email: jonathan.camp@acu.edu
Web: www.acu.edu/grad

Faculty
Faculty from various departments who teach in this program:
Garry Bailey, Associate Professor of Conflict Resolution
Jonathan Camp, Associate Professor of Communication
Joe Cardot, Professor of Communication
Joe L. Cope, Associate Professor of Conflict Resolution
Matthew Dodd, Assistant Professor of Conflict Resolution
Cynthia Roper, Associate Professor of Communication
Ian Shepherd, Professor of Management Sciences
Phillip Vardiman, Associate Professor of Management Sciences
J. D. Wallace, Professor of Communication

Introduction
The Department of Communication offers the Master of Science (MS) degree in organizational development (OD). The MS in OD is an online 36-hour degree program that is interdisciplinary and includes courses from communication, conflict resolution, and management sciences.

The central objective of the degree program is to provide an advanced degree that synthesizes knowledge from diverse fields into a focused, yet flexible plan of study that is useful to leaders in all forms of organizations. The program is committed to applying the study of individual, group and cultural issues to meet the special needs of human resource professionals, administrators, managers, trainers, non-profit leaders, government leaders and others in the professional community.

Distinctive features of the program are breadth in understanding human behavior, development of leadership skills with multiple applications, adaptation of models to diverse organizational settings, and maximization of career mobility for holders of the degree.

Admission Requirements
For admission criteria, please refer to the Graduate School Admission Requirements section of this catalog (page 129). In addition to the general Graduate School requirements, applicants to the MS in organizational development must submit a two-page, typed purpose statement describing career goals, professional interests and reasons for wanting to enter the OD program.

Admission requirements for the MS in organizational development are:
1. Complete an application and application fee (see online link to admission);
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree from a regionally accredited college or university or equivalent;
3. A cumulative undergraduate approximate B average or above in the area of focus or related area and evidence of an overall productive GPA;
4. Two letters of recommendation;
5. A two-page, typed purpose statement describing career goals, professional interests and reasons for wanting to enter the OD program;

ORGANIZATIONAL DEVELOPMENT (MS)
Major Code: OD
The Master of Science degree in organizational development is a 36-hour program that requires at least half the total hours be taken at the 600 level. Students must have completed a baccalaureate degree from an accredited institution. Because the degree is interdisciplinary in nature, no specific undergraduate major is required.

Requirements for the OD are:
1. Communication (15 hours):
   COMM 545 Intercultural Communication
   COMM 586 Human Resource Training and Development
   COMM 631 Leading Organizational Change
   COMM 675 Seminar in Persuasion and Social Change
   COMM 697 OD Capstone

2. Management Sciences (6 hours):
   MGMT 532 Human Resource Management
   MGMT 636 Organizational Behavior

3. Conflict Resolution (15 hours - Allows option to gain Certificate in Conflict Resolution)
   CONR 601 Conflict Theory and Communication
   CONR 605 Negotiation and Mediation
   CONR 610 Managing Conflict in the Workplace
   CONR 612 Conflict Management Systems Design
Psychology

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Phone: 325-674-2286
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Web: www.acu.edu/grad

Faculty
Steve Allison, Professor
Richard Beck, Professor
John Casada, Associate Professor
Billy Jones, Professor
David McAnulty, Director
Robert McKelvain, Professor
Larry Norsworthy, Professor
Scott Perkins, Professor
Robert Rhodes, Professor
Jennifer Shewmaker, Associate Professor
Rachel Team, Assistant Professor

ACU Psychology Clinic:
Cherisse Flanagan, Director

Introduction
The Department of Psychology at Abilene Christian University offers the Master of Science (MS) degree and the Specialist in School Psychology (SSP) degree. The MS degree prepares students for professional practice and/or doctoral study in psychology. The SSP degree is approved by the National Association of School Psychologists.

Graduate study in psychology at ACU combines scientific scholarship, relevant clinical training, and a Christian worldview to prepare students for professional work, further graduate study, and licensure or certification by state boards in psychology or counseling.

The psychology faculty at Abilene Christian University views psychology as a scientific and applied profession through which one may provide service to the local community as well as the community of faith. Faculty members view the nature and needs of humankind from a biblical perspective. Excellence in research and clinical practice are a part of the Christian commitment that students are challenged to share.

The clinical psychology and counseling psychology programs are 48-hour professional training programs that include academic work and relevant professional experiences. Requirements for licensure in psychology and counseling vary significantly by state; students must be aware that it is the individual student’s responsibility to ensure relevant professional experiences. Requirements for licensure in psychology and counseling vary significantly by state; students must be aware that it is the individual student’s responsibility to ensure adequate completion of the specific academic and experiential requirements of a particular state licensing agency. To complete the degree in two years, students must complete 12 hours per semester. Failure to follow course sequencing may significantly lengthen the time required to complete the degree.

The Specialist in School Psychology program is a 60-hour course of study that provides the clinical training and academic experiences required for working in school settings. The school psychology program is approved by National Association of School Psychologists (NASP) and meets all the requirements for the Texas State Board of Examiners of Psychologist (TSBEP) licensure as a Specialist in School Psychology (LSSP) and for national certification through the National Association of School Psychologists (NASP).

The department also offers a 36-hour Master of Science degree in psychology for students with a variety of other professional interests. Integration of professional excellence and Christian commitment is the guiding philosophy for graduate training in psychology at ACU. The curriculum emphasizes development of skills relevant to a broad range of professional activities. Students have opportunities to develop the essential skills to facilitate change in individuals, families and groups. Through course work and supervised clinical experience, all students become proficient in the basic areas of intervention, including diagnostic interviewing, case conceptualization, crisis intervention, treatment planning and the psychotherapy process.

The psychology department at ACU is committed to training and mentoring students in applied research. In the last ten years, more than 145 students have presented research in the professional or scientific programs of regional and national psychology meetings. The practical necessity and the ethical responsibility to master the rapidly expanding scientific base of information underlying psychological intervention are emphasized through course work, individual and group projects, and thesis research. In each of the graduate programs, students have the opportunity to build expertise in their field of interest and to prepare to contribute to that field of knowledge. The psychology department actively supports student research.

The programs in clinical, counseling, and school psychology are designed to prepare ethical professionals who have superior skills, are conscientious in their work, and are responsive to the needs of others. Personal characteristics of integrity, responsibility, emotional stability, and self-control are essential for psychology professionals. Thus, students experiencing significant personal distress or deficiency in one or more of these areas may be required to delay enrollment in practicum courses until those problems have been resolved. The student’s ability to maintain high quality professional relationships with faculty, off-site supervisors and with clients is essential to continuation in psychology training programs. The Director of Graduate Studies may deny enrollment in courses where professional contact is required when student’s capacity is impaired. In some situations, students may be assisted in revising their career plans to emphasize their personal strengths.

Admission Requirements
Admission decisions are made on a competitive basis. The minimum admission requirements for any of the graduate psychology degree programs are as follows:

1. A completed application and application fee;
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree from a regionally accredited college or university or equivalent;
3. Unconditional admission requires an undergraduate GPA of 3.5 to 4.0. If an applicant meets all other requirements and has an undergraduate GPA of 3.0-3.49, he/she may be admitted on probation. The condition of probation means that the applicant must make a final grade of B or above in each of the first 4 courses required in his/her program. Failure to do so will result in suspension from the program. The Department of Psychology does not consider the GRE or other tests as part of its admission requirements;
4. Three letters of recommendation, at least two of which must be from psychology faculty or psychologists who are familiar with the applicant’s academic work;
5. Completion of at least 12 undergraduate semester hours in psychology including: statistics, experimental psychology, abnormal psychology and 3 additional hours that may be physiological, developmental psychology, cognition, or learning or an acceptable substitute. The applicant must have made a grade of B or higher in each of the prerequisite courses. Prerequisites must be completed prior to enrolling in graduate program courses; they may not be taken concurrently;
6. A written statement (600-800 words) describing professional goals, interests and reasons for choosing to enter the psychology program at ACU;
7. The Department of Psychology does not consider the GRE or other tests as part of its admission requirements;
8. Non-native speakers of English must pass an interview with two
ACU psychology department faculty to establish that the applicant has sufficient skills in English and American culture to provide services to clients in practicum settings.

9. Because all professional psychology programs require students to provide services to clients in practicum sites, all international applicants must complete an interview with members of the psychology faculty to assess the applicant’s capabilities in spoken English and understanding of North American culture. International applicants must also meet the University’s English language test requirements.

Application Deadlines
All applicants who qualify for unconditional admission will be accepted on a priority basis until March 30. Applicants who qualify for probational who have applied before March 30 will be notified of the admission decision on their application about April 10. Admissions after March 30 will be made on a competitive basis until programs are full. Except in unusual circumstances, applicants will not be admitted after July 1 for the fall semester. Only clinical and counseling psychology applicants who are qualified for unconditional admission will be considered for admission to begin graduate study in the spring or summer semesters. The school psychology program only admits students to begin in the fall semester. All international applicants must submit completed applications by February 15 for the fall semester.

CLINICAL PSYCHOLOGY (MS)
Major Code: CPSY
The Master of Science degree in clinical psychology is designed to prepare graduates for professional employment with supervision in various areas of psychology, to begin a college teaching career and/or to continue in further graduate study. This 48-hour program includes a set of core or required courses, elective selections, practicum experiences, and a thesis project.

Requirements for the MS in clinical psychology are:
1. Psychology core, 21 hours:
   - PSYC 610 Psychotherapy
   - PSYC 612 Clinical Research Methods
   - PSYC 648 Advanced Psychotherapeutic Techniques
   - PSYC 650 Ethics and Issues in Professional Psychology
   - PSYC 657 Multivariate Statistics
   - PSYC 669 Human Learning and Cognition
   - PSYC 676 Prevention, Intervention, and Advocacy in School Psychology
   - PSYC 685 Issues in Education of Exceptional Children
   - SPED 577 Teaching Students with High Incidence Disabilities
2. Practicum, 6 hours: approved by graduate advisor or department chair.
3. Practicum, 6 hours: PSYC 690, 692.
4. Thesis, 6 hours.

COUNSELING PSYCHOLOGY (MS)
Major Code: PSCO
The program in counseling psychology is a 60-hour program designed to offer specific training and preparation in the area of counseling psychology. Graduates of this program are prepared for positions in mental health intervention, prevention and consultation. Licensure as a professional counselor and entrance into doctoral programs in counseling psychology are also options.

Requirements for the MS in counseling psychology are:
1. Psychology core, 18 hours:
   - PSYC 610 Psychotherapy
   - PSYC 612 Clinical Research Methods
   - PSYC 648 Advanced Psychotherapeutic Techniques
   - PSYC 650 Ethics and Issues in Professional Psychology
   - PSYC 660 Clinical Assessment
   - PSYC 669 Human Learning and Cognition
   - PSYC 676 Prevention, Intervention, and Advocacy in School Psychology
   - PSYC 685 Issues in Education of Exceptional Children
   - SPED 577 Teaching Students with High Incidence Disabilities
2. Electives, 15 hours: approved by graduate advisor or department chair.
3. Practicum, 6 hours: PSYC 690, 692.

SPECIALIST IN SCHOOL PSYCHOLOGY (SSP)
Major Code: PSSP
The Specialist in School Psychology degree is a 60-hour program and offers specific training for work in school settings. Graduates of this program are trained to consult, educate, assess and conduct research on the psychological and academic problems experienced by children and adolescents. The specialist program in school psychology provides students with the academic requirements and clinical experiences necessary for providing psychological services in school settings. Students completing this program will be eligible to apply for licensure through the Texas State Board of Examiners of Psychologists (TSBEP) as a Licensed Specialist in School Psychology (LSSP) and will have met all the requirements specified for national certification through the National Association of School Psychologists (NASP). The program is three academic years in length and includes a nine-month internship in a school setting as required by both TSBEP and NASP.

Requirements for the Specialist in School Psychology are:
*Students must apply for candidacy status prior to beginning second year courses. Contact program advisor for candidacy application or for more information.

   1. Psychology core, 48 hours:
      - PSYC 608 School Psychology: Organization, Operations and Ethics
      - PSYC 612 Clinical Research Methods
      - PSYC 624 Social and Cultural Bases of Behavior
      - PSYC 642 Cognitive Assessment
      - PSYC 644 Child and Adolescent Therapy
      - PSYC 645 Child and Adolescent Assessment
      - PSYC 646 Child and Adolescent Development
      - PSYC 647 Child and Adolescent Psychopathology
      - PSYC 649 Behavioral Interventions
      - PSYC 657 Multivariate Statistics
      - PSYC 668 Advanced Behavioral Neuroscience
      - PSYC 669 Human Learning and Cognition
      - PSYC 676 Prevention, Intervention, and Advocacy in School Psychology
      - PSYC 683 School Consultation
      - PSYC 685 Issues in Education of Exceptional Children
      - SPED 577 Teaching Students with High Incidence Disabilities

   2. Practicum, 6 hours: PSYC 690, 694
   3. Internship, 6 hours.
   4. Electives (optional), 6 hours: PSYC 699 Thesis
   5. Comprehensive exam.

PSYCHOLOGY (MS)
Major Code: PSGE
The Master of Science degree in psychology is a 36-hour program for students desiring to obtain a graduate level degree that provides an academic knowledge of psychology rather than one that emphasizes the practitioner orientation of clinical, counseling or school psychology. This degree prepares students for further graduate study in a variety of areas of psychology.

Requirements for the MS in psychology are:

   1. Psychology core, 9 hours:
      - PSYC 612 Clinical Research Methods
      - PSYC 650 Ethics and Issues in Professional Psychology
      - PSYC 657 Multivariate Statistics

   2. Electives, 21 hours, thesis option; 27 hours, non-thesis option.

   A maximum of 12 hours may be completed outside of the psychology faculty to establish that the applicant has sufficient skills in English and American culture.

   3. Practicum, 6 hours: approved by graduate advisor or department chair.

   4. Thesis option, 6 hours; or comprehensive exam.

   5. Practicum, 6 hours: PSYC 690, 692.

   6. Comprehensive exam.
School of Social Work

Thomas L. Winter, Director
Wayne Paris, MSSW Program Director
ACU Box 27866
Abilene, Texas 79699-7866
Hardin Administration Building, Room 108B
Phone: 325-674-4868
Fax: 325-674-6525
Email: socialwork@acu.edu
Web: www.acu.edu/socialwork

Faculty
Stephen Baldridge, Assistant Professor
Kristen Guillory, Assistant Professor
Stephanie Hamm, Assistant Professor
Kyeonghee (Kay) Jang, Assistant Professor
Alan Lipps, Associate Professor
Wayne Paris, Associate Professor
Rachel Slaymaker, Assistant Professor
Thomas L. Winter, Professor

Mission
The mission of Abilene Christian University is to educate students for Christian leadership throughout the world.

The Abilene Christian University School of Social Work seeks, within the context of a Christian higher education institution, to: prepare graduates as effective and ethical professionals who incorporate best evidence in practice; promote social justice for vulnerable persons everywhere through service and leadership roles; and, advance social work knowledge through research and other scholarly activities.

The School of Social Work’s goals are to: educate students for advanced evidence based practice; prepare graduates for leadership in the social work profession and in social welfare organizations; instill in students an appreciation of human diversity that inform their practice behaviors; and, contribute to the knowledge base for evidence-informed social welfare programs and social work practice.

Graduate Programs
The School of Social Work offers a Master of Science in Social Work (MSSW) degree and a Graduate Certificate in Social Services Administration, which may be completed while in the MSSW program of study.

The ACU MSSW program offers an innovative curriculum aimed at preparing leading edge social work practitioners. It is designed to produce versatile social work leaders who are able to incorporate their faith and employ technology to identify and make use of what works – the most promising interventions, the most forward-thinking programs and policies – to empower and instill hope in their clients and to promote positive social change.

There are two programs of study leading toward the MSSW: Standard and Advanced Standing. Both the Standard and Advanced standing programs may be through part-time enrollment. The Standard Program requires two years of full-time study (64 hours). The first year introduces important ideas and concepts that are at the heart of what it means to be a social worker and to engage in advanced evidence-based practice. The second year concentrates on evidence-based social interventions with systems of various sizes. The standard program may be completed in four years of half-time enrollment status. The advanced standing program may be completed in two years of part-time enrollment status.

The Advanced Standing Program is for students who have completed a BSW from a program accredited by the Council on Social Work Education. Following a 6-hour summer seminar, Advanced Standing students move directly into the 32-hour second year of study.

Both programs combine classroom study with supervised internships in social service agencies and include either a thesis or a research project suitable for dissemination.

In cooperation with the Graduate School of Theology, the School of Social Work has developed plans whereby students could pursue the MSSW degree concurrently with the Master of Arts in Christian Ministry (MACM) degree.

The MSSW program is accredited by the Council on Social Work Education (CSWE).

Admission Requirements
While the Standard Program accepts students with a bachelor’s degree in any field, students are expected to demonstrate a broad liberal arts background, including two courses from each of the following areas: science/math, social/behavioral sciences, humanities/fine arts, and communication/language. To see if a specific course qualifies for the liberal arts background requirement, please contact the School of Social Work office. A course in statistics is highly desirable.

Admission Requirements
Admission requirements for any program in the school of Social Work are:

1. Complete an application and application fee (see online link to admission);
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree from a regionally accredited college or university or equivalent;
3. A cumulative undergraduate approximate B average or above in the area of focus or related area and evidence of an overall productive GPA; If undergraduate GPA is below 3.0, the GRE or MAT entrance exam is required;
4. Two letters of recommendation;
5. A writing sample must be a personal statement addressing your motivation for graduate studies and entering the social work profession, and reflections on the four themes of the School of Social Work—evidence-based practice, God’s gift of diversity, faith and social work, and social justice.
6. A second writing sample in the form of a formal graded (returned with feedback) senior level assignment of at least five pages from the student’s undergraduate work (or acceptable alternative). Contact the School of Social Work for a grading rubric.
7. A “field practicum assessment” must be submitted by students who have graduated from a CSWE accredited BSW/BSSW program and are applying to advanced standing status (1 year program).

Applications for the Standard Program are accepted for fall admission. Advanced Standing students with a recent BSW degree from a program accredited by the CSWE are admitted in June. Applications received by February 16 will receive early review, priority for scholarships, graduate assistantships and field practicum sites. Applicants who completed the BSW more than five years ago are eligible for Advanced Standing only if they are employed in the field of social services.

SOCIAL WORK (MSSW)
Major Code: MSSW or MSSW-ADV (for Advanced Standing*)

Requirements for the MSSW are:

<table>
<thead>
<tr>
<th>MSSW/MSSW- ADV Full-Time FOUNDATION COURSES (32 HOURS)</th>
<th>MSSW Half-Time</th>
<th>MSSW-ADV Half-Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
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</tr>
<tr>
<td>SOCW 615</td>
<td>Year 1</td>
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<tr>
<td>SOCW 625</td>
<td>Year 1</td>
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### MSSW/MSSW-ADV Full-Time

#### ADVANCED COURSES (32 HOURS)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>MSSW Half-Time</th>
<th>MSSW-ADV Half-Time</th>
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<tbody>
<tr>
<td>Fall</td>
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</tr>
<tr>
<td>SOCW 725</td>
<td>Spirituality and Social Work Practice</td>
<td>Year 3</td>
<td>Year 1</td>
</tr>
<tr>
<td>SOCW 745</td>
<td>Leading &amp; Managing Change in Nonprofit Organizations</td>
<td>Year 3</td>
<td>Year 1</td>
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<td>or</td>
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<tr>
<td>SOCW 748</td>
<td>Psychopathology for SW Practice</td>
<td>Year 4</td>
<td>Year 2</td>
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<td>or</td>
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<tr>
<td>SOCW 751</td>
<td>Adv. Evidence-Based Prac. Inter. I</td>
<td>Year 4</td>
<td>Year 2</td>
</tr>
<tr>
<td>SOCW 799</td>
<td>Adv. Social Work Field Practicum I</td>
<td>Year 4</td>
<td>Year 2</td>
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<tr>
<td>Spring</td>
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<tr>
<td>SOCW 741</td>
<td>Globalization and Social Justice</td>
<td>Year 3</td>
<td>Year 1</td>
</tr>
<tr>
<td>SOCW 744</td>
<td>Mgmt. &amp; Funding for Nonprofit Org</td>
<td>Year 3</td>
<td>Year 1</td>
</tr>
<tr>
<td>SOCW 752</td>
<td>Adv. Evidence-Based Prac. Inter. II</td>
<td>Year 4</td>
<td>Year 2</td>
</tr>
<tr>
<td>SOCW 782</td>
<td>Adv. Social Work Field Practicum II</td>
<td>Year 4</td>
<td>Year 2</td>
</tr>
<tr>
<td>SOCW 799</td>
<td>Thesis</td>
<td>Year 4</td>
<td>Year 2</td>
</tr>
</tbody>
</table>

**Summer (Required for Advanced Standing students (MSSW-ADV), optional for other students.)**

- SOCW 702 Integrative Seminar for Adv. Standing Year 1

### CERTIFICATE IN SOCIAL SERVICES ADMINISTRATION (SSA)

ACU Box 27866
Abilene, Texas 79699-7866
Hardin Administration Building, Room 108

Phone: 325-674-2072
Fax: 325-674-6525
Web: www.acu.edu/socialwork

#### Faculty

Thomas L. Winter, Professor
Wayne Paris, Associate Professor

The certificate in social services administration requires 18 hours, and course work may apply toward the Master of Science in Social Work degree.

#### Competencies:

Students who complete the certificate program will:

1. Have an understanding of the major managerial functions in nonprofit and governmental programs, including planning, organizing, staffing, directing, controlling, communicating and decision making;
2. Have experience with the procedures and techniques of developing and receiving grants, contracts and/or appropriations, and be able to research, select and cultivate funding sources, including actual grant or contract preparation;
3. Be familiar with fiscal processes commonly used in human service agencies, including the ability to read, comprehend, and prepare budgets in formats commonly used in nonprofit and governmental agencies;
4. Understand management strategies for change in human service organizations, and be able to select change in strategies based on situational assessments;
5. Be able to conduct sound, research-based evaluation of nonprofit programs; and,
6. Be able to influence political and organizational processes and actions to impact policymaking through policy analysis, advocacy, and human empowerment.

#### Requirements for the certificate in social services administration are:

1. Core courses, 12 hours:
   - SOCW 615 Social Work Research Methods
   - SOCW 642 Policy Analysis and Practice
   - SOCW 744 Management and Funding of Nonprofit Organizations
   - SOCW 745 Administration and Planning for Nonprofit Organizations
2. Selection, 6 hours:
   - SOCW 700 Guided Study in Social Work
   - SOCW 740 Special Topics in Social Work
3. Additional 3 hours of research-based, experiential coursework selected in collaboration with advisor.

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1 Students without a substantial background in social policy and services may be required to take SOCW 641, Social Welfare Policies and Services, as prerequisite for this course; in that case, SOCW 641 will substitute for 3 hours of Selection.
Ed.D. in Organizational Leadership

Bruce Scott, Program Director
Phone: 325-674-2700
Email: wbs10a@acu.edu

Faculty
Faculty from various departments who teach in this program:
Garry Bailey, Associate Professor of Conflict Resolution
Jonathan Camp, Associate Professor of Communication
Joey Cope, Associate Professor of Conflict Resolution
Lloyd Goldsmith, Professor of Graduate Education
Karen Maxwell, Assistant Professor of Graduate Education
Jason Morris, Associate Professor of Higher Education
Bruce Scott, Assistant Professor of Graduate Education

Introduction
The Department of Graduate Studies, located in the College of Education and Human Services at Abilene Christian University, offers a Doctor of Education in Organizational Leadership. This program is offered online with optional residency experiences.

The mission of the Ed.D. in Organizational Leadership is to prepare professionals in a variety of contexts for leadership roles. A distinguishing feature is a focus on the organization of leadership in complex organizational cultures to develop effective practice. This is accomplished through equipping leaders to:

- Lead with purpose based upon the foundation of vocation, rooted in Christian principles;
- Effectively develop organizational resources;
- Build effective communication structures and collaborative relationships;
- Apply organizational assessment and evaluation strategies; and
- Demonstrate healthy leadership practices to influence organizational culture.

The Ed.D. will consist of a minimum of 54 credit hours consisting of 24 foundational hours; 12 hours of research methods; a 12-15 hour specialization from the following:

1. Foundational Courses (24 hours)
   - LEAD 621 Overcoming Learning Barriers (3 hours)
   - EDUC 656 School Finance (3 hours)
   - EDUC 668 Practicum/Capstone in the School Superintendent (15 hours) - EDUC 668 is required by the Texas Education Association for all students who plan to seek Texas Certification. Students seeking certification from another state should contact the Department of Education in their state to inquire about certification requirements.
   - EDUC 672 Educational Facilities (3 hours)
   - EDUC 674 Technology & Financial Resource Development (3 hours)
   - EDUC 677 Educational Finance (3 hours)
   - EDUC 678 Qualitative Methods & Action Research (3 hours)
   - EDUC 679 Human Resource Development (3 hours)
   - EDUC 686 Quantitative Analysis (3 hours)
2. Research Courses (12 hours)
   - LEAD 701 Introduction to Doctoral Study (3 hours)
   - LEAD 711 Theories & Practices of Effective Leadership (3 hours)
   - LEAD 714 Self-Assessment in Leadership (3 hours)
   - LEAD 724 Leadership in Diverse Contexts (3 hours)
   - LEAD 731 Leading Organizational Change (3 hours)
   - LEAD 741 Human Resource Development (3 hours)
   - LEAD 744 Technology & Financial Resource Development (3 hours)
   - LEAD 751 Contemporary Issues in Organizational Leadership (3 hours)
   - LEAD 766 District Instructional Leadership (3 hours)
   - LEAD 771 Dissertation Prospectus Seminar (3 hours)
3. Specialization (12-15 hours) - Student selects one specialization from the following:
   - LEAD 714 Self-Assessment in Leadership (3 hours)

Admission Requirements
- Application for admission with a nonrefundable processing fee.
- Official transcripts in a registrar’s sealed and stamped/signed envelope from the accredited colleges or universities that awarded the baccalaureate and master’s degrees to the applicant.
- Two recommendations that attest to the applicant’s academic abilities, character, and professional ability. Letters on professional letterhead are acceptable.
- A statement of interest in the Ed.D. in Organizational Leadership addressing such topics as the candidate’s view of leadership, ability to create followers, propensity to take risks, perseverance and demonstrated achievements, future career/life objectives, and reasons for pursuing a doctoral program.
- A writing sample that demonstrates the applicant’s professional writing skills. Examples include an academic paper utilizing a style manual, a journal article, a training manual, or a technical report.
- Professional CV or résumé

International applicants to the Ed.D. will be required to complete the standard graduate application requirements for all international students applying to the Graduate School, including TOEFL scores and transcript assessment for degrees completed outside of the United States (http://www.acu.edu/graduate/prospective-students/international/index.html).

Students who wish to complete the superintendent track must already possess the principal certification or the equivalent. Those who wish to pursue the principal track must have two years of teaching experience in a TEA-approved school. For additional information regarding these requirements, visit the ACU website or the TEA website.

DOCTOR OF EDUCATION IN ORGANIZATIONAL LEADERSHIP

Major Code: ORGL

Requirements for the Ed.D. in Organizational Leadership are:
1. Foundational Courses (24 hours)
   - LEAD 701 Introduction to Doctoral Study (3 hours)
   - LEAD 741 Human Resource Development (3 hours)
   - LEAD 744 Technology & Financial Resource Development (3 hours)
   - LEAD 731 Leading Organizational Change (3 hours)
   - LEAD 724 Leadership in Diverse Contexts (3 hours)
   - LEAD 711 Theories & Practices of Effective Leadership (3 hours)
   - LEAD 721 Contemporary Issues in Organizational Leadership (3 hours)
   - LEAD 714 Self-Assessment in Leadership (3 hours)
2. Research Courses (12 hours)
   - LEAD 781 Organizational Assessment & Evaluation (3 hours)
   - LEAD 784 Qualitative Methods & Action Research (3 hours)
   - LEAD 786 Quantitative Analysis (3 hours)
   - LEAD 791 Dissertation Prospectus Seminar (3 hours)
3. Specialization (12-15 hours) - Student selects one specialization from the following:
   - LEAD 714 Self-Assessment in Leadership (3 hours)

School Superintendent (15 hours) - EDUC 668 is required by the Texas Education Association for all students who plan to seek Texas Certification. Students seeking certification from another state should contact the Department of Education in their state to inquire about certification requirements.

- EDUC 656 School Finance
- EDUC 672 Educational Facilities
- EDUC 674 Technology & Financial Resource Development
- EDUC 677 Educational Finance
- EDUC 678 Qualitative Methods & Action Research
- EDUC 679 Human Resource Development
- EDUC 686 Quantitative Analysis
- EDUC 791 Dissertation Prospectus Seminar

Principalship (15 hours) - Students selecting this track should work with their advisor to select four courses from this list in addition to EDUC 660P. EDUC 660P is required by the Texas Education Association for all students who plan to seek Texas Certification. Students seeking certification from another state should contact the Department of Education in their state to inquire about certification requirements.

- EDUC 621 Overcoming Learning Barriers
b. EDUC 680 Allocating Resources & Structuring the School for Learning

c. EDUC 682 School Law, Ethics, & the Learning Community

d. EDUC 687 Managing Data to Improve Student Learning

e. EDUC 684 Meeting the Learning Challenge

f. EDUC 686 Reframing Learning

g. EDUC 688 Creating Effective Learning Environments

h. EDUC 660 Practicum/Capstone in Principalship

Conflict Resolution (15 hours)

a. CONR ??? Leadership in Peacebuilding (3)

b. CONR 601 Conflict Theory & Communication (3)

c. CONR 605 Negotiation & Mediation (6)

d. CONR 612 Conflict Management Systems Design (3)

Higher Education (12 hours)

a. HIED 611 Foundations of Higher Education

b. HIED 613 Introduction to Student Services

c. HIED 622 College Students & Student Development

d. HIED 643 Legal & Ethical Issues in Higher Education

4. Dissertation Research (minimum of 6 hours) - Students who do not complete the dissertation in the minimum of 6 hours will continue to register for three hours of dissertation continuation each term until the dissertation is completed. Students should review the ACU Online Dissertation Guide for more detailed information about the dissertation process.

Graduate School of Theology

Tim Sensing, Associate Dean of Graduate School of Theology
ACU Box 29422
Abilene, Texas 79699-9422
Onstead-Packer Biblical Studies Building, Room 313
Phone: 325-674-3730
Fax: 325-674-6180
Email: cukrowskik@acu.edu or sensingt@acu.edu
Web: www.acu.edu/gst

Faculty

Frederick Aquino, Professor
Brady Bryce, Assistant Professor
Jeff Childers, Professor
Kenneth Cukrowski, Associate Professor
Chris Flanders, Associate Professor
Douglas Foster, Professor
Kelli Bryant Gibson, Assistant Professor
Mark Hamilton, Professor
Stephen Johnson, Associate Professor
Royce Money, Professor
Carson E. Reed, Assistant Professor
Timothy Sensing, Professor
James Thompson, Scholar in Residence
Melinda Thompson, Assistant Professor
Richard Wright, Associate Professor

Faculty from other departments who teach in this program:
Jon Camp, Associate Professor, Communication and Sociology
Craig Churchill, Associate Professor of Library Science and Theological Librarian
Jaime Goff, Associate Professor, MFT
Houston Heflin, Associate Professor, DBMM
Christopher Hutson, Associate Professor, DBMM
Curt Niccum, Professor, DBMM
Kent Smith, Missions Coordinator for North America
John Weaver, Dean of the Library
John T. Willis, Professor, DBMM
Wendell Willis, Professor, DBMM

Introduction

The Graduate School of Theology at Abilene Christian University offers a variety of degrees and programs designed to meet the complex needs of its students. Its goal is to be both academically rigorous and practical in equipping students for effective ministry.

The faculty view their work as integral to the university’s mission: to educate its students for Christian service and leadership throughout the world. All programs attempt to instill in students the heart and nature of Christ, opportunities for service and spiritual growth, and educational and ministry opportunities in the U.S. and abroad.

Mission

The Graduate School of Theology is located in the College of Biblical Studies and is vitally engaged in its goals and tasks. The stated mission of the college is to provide leadership preparation and resources for effective worldwide ministry in the cause of Christ.

The mission of the Graduate School of Theology is to equip men and women for effective missional leadership for ministry in all its forms and to provide strong academic foundations for theological inquiry. It is within this framework that the Graduate School of Theology has set its purposes:

• to prepare men and women for effective work in a variety of ministry settings;
to provide specific ministry skills in the areas of preaching, teaching, worship, missions, pastoral counseling, congregational ministry, youth and family ministry, children’s ministry, church leadership, spiritual formation, and program development;

- to provide adequate academic foundations to students in the various theological disciplines including textual studies, biblical languages, church history, and historical theology;

- to provide an academic and interpersonal environment by which the theological disciplines can be integrated one with another as well as with the students' ministry skills and their personal spiritual development;

- to equip adequately those students who desire advanced academic work including doctoral studies in schools of religion, seminaries, or universities.

The Graduate School of Theology is accredited by the Association of Theological Schools (ATS). This accreditation guarantees that programs and faculty are of the highest quality. Students must complete all degree requirements within ten years. The degree requirements are the same for both resident and non-resident students.

**Degrees Offered**


The **Master of Arts in Christian Ministry (MACM)** a 48-hour degree, for specialized ministry.

In cooperation with the School of Social Work and the Department of Marriage and Family Studies, the Graduate School of Theology has developed plans whereby students could pursue the MACM concurrently with the MSSW or MMFT degrees.

The **Master of Arts in Global Service (MAGS)** is a 48-hour program that provides an innovative, real-world curriculum that will equip Christian leaders for service in global contexts.

The **Master of Divinity (MDiv)** a 72-hour comprehensive degree, integrates the various theological disciplines with the practice of ministry and personal spiritual formation. A mission track is also available.

The Master of Arts in Christian Ministry, Master of Arts in Global Service and Master of Divinity degrees integrate writing and research skills with the practice of ministry. Opportunities for contextual education in ministry are integral to these degree programs. Students are required to participate in a senior portfolio review prior to graduation.

The **Doctor of Ministry (DMin)** is a 33-hour post-MDiv advanced professional degree designed to enhance the minister’s competency and skill in performing the essential tasks of ministry.

The departmental faculty combines the finest academic preparation from some of the world’s outstanding universities with intense interest in the effective practice of ministry.

**Admission Requirements**

Admission requirements for Masters of Arts and Master of Divinity are as follows:

1. A completed application and application fee;
2. An official transcript(s) in English (or translated to English) of all previous colleges attended. The transcript must indicate an earned bachelor’s degree from a regionally accredited college or university or equivalent;
3. A cumulative undergraduate approximate B average or above in the area of focus or related area and evidence of an overall productive GPA;
4. Two letters of recommendation; and
5. A reflective essay, three to five pages in length (typed, double-spaced) following the guidelines on the GST website, www.acu.edu/gst.

Registration for courses begins in April (for fall) and October (for spring) and March (for summer classes). Students are therefore urged to submit all materials before registration begins.

**Online Option**

The Graduate School of Theology offers online options for the MDiv, MACM, and MAGS degrees. Students may take a combination of online and residential classes, allowing them to remain in their local ministry context while pursuing advanced theological education. Online courses are taught by GST faculty and qualified adjuncts. Residential courses may be taken as week-long intensives, two-weekend courses, or over the full semester for those within driving distance of Abilene. Intensive classes are offered on the ACU campus and at approved course offering sites in Accra, Ghana and Zagreb, Croatia.

The Association of Theological Schools requires all vocational ministry students to earn a certain percentage of their degree in a face-to-face setting. The GST has special permissions (ATS-approved exceptions to Degree Program Standard A, section A.3.1.3. and Standard B, section B.3.1.3.) which only require our students to take four courses (12 credits) in residence, regardless of their degree program. Students should consult with their advisor to determine which classes may be taken online and which should be taken in residence.

**Candidacy Process**

The Master of Arts in Christian Ministry (MACM), Master of Arts in Global Service (MAGS), and the Master of Divinity (MDIV) are formational degrees that require students to make progress in their academic, personal, and professional development. Therefore, students will be required to apply for candidacy during their Junior Portfolio Review. (after completing 21 hours for MACM and MAGS; 27 hours for MDIV).

**Scholarships and Assistantships**

The Graduate School of Theology awards scholarships that cover part of a student’s tuition. Most Graduate School of Theology students receive scholarships each year. To be eligible, a student must be planning to do full-time ministry after graduation. In addition, the Graduate School of Theology awards many graduate assistantships each year. The deadline for applying for scholarships and assistantships is June 1 for fall and November 1 for spring. Scholarship applications received after these dates will be considered only if funds are available.

**Multiple Degrees**

Students enrolled simultaneously or sequentially in two master’s programs in the Graduate School of Theology may overlap some courses in both degrees. However, no more than 24 hours can be shared, and all requirements for both degrees must be met.

**Master of Arts**

The Master of Arts (MA) degree is considered a program oriented toward research and general theological studies. It is a degree (including thesis) providing basic understanding of theological disciplines for further graduate study or general educational purposes. Students who have completed substantial work at the undergraduate level may receive advanced standing (maximum 12 hours) in this degree. This degree requires the demonstration of advanced research and writing skills culminating in a thesis and oral defense. The MA includes tracks in Old Testament, New Testament, Theology, Ancient and Oriental Christianity, and Modern and American Christianity.

All students in the MA program take a core of the following courses, 27 hours:

- Language (6 hours) appropriate to the research program
- BIBD 660 Introduction to Systematic Theology
- BIBH 651 History of Christianity I: Early and Medieval
- BIBH 652 History of Christianity II: Reformation to Present
- BIBL 610 Introduction to the Old Testament
- BIBL 620 Introduction to the New Testament
- BIBM 602 GST Orientation (0 credit hours)
- Thesis (6 hours)
Additional requirements for all MA students include the English Bible exam, an oral exam for the thesis, and four semesters of participation in mentoring groups.

In addition to the core, students take courses in the following tracks:

**OLD TESTAMENT (MA)**

Mark Hamilton, *Advisor*
ACU Box 29408, Abilene, Texas 79699-9408
Onstead-Packer Biblical Studies Building, Room 321

Phone: 325-674-3765
Fax: 325-674-6180
Email: mark.hamilton@acu.edu

The Old Testament major is a 48-hour thesis program designed to provide an advanced academic foundation in Old Testament studies. Students will be expected to gain proficiency in appropriate exegetical tools and language as well as a broad understanding of textual and theological issues. Specifically, students should be able to exegete and interpret a variety of Old Testament texts and understand them within their larger theological contexts. Students who have extensive preparation at the undergraduate level may receive advanced standing (maximum 12 hours) toward this 48-hour degree.

Major Code: BIBO

**Requirements for the MA (Old Testament) are:**

1. Core courses, 27 hours
2. Old Testament courses, 9 hours:
   - BHEB 681, 682 Intermediate Hebrew Readings I, II
   - BIBL 611 Old Testament Theology
3. Bible text, 9 hours
   - BIBL 651 The Pentateuch
   - BIBL 652 Historical Books of the Old Testament
   - BIBL 653 Devotional and Wisdom Literature of the Old Testament
   - BIBL 654 Prophetic Literature of the Old Testament
4. Old Testament elective, 3 hours
   (Semitic language preferred)
5. Mentoring
6. English Bible exam
7. Oral exam

**NEW TESTAMENT (MA)**

Richard Wright, *Advisor*
ACU Box 29453, Abilene, Texas 79699-9453
Onstead-Packer Biblical Studies Building, Room 321

Phone: 325-674-3708
Fax: 325-674-6180
Email: richard.wright@acu.edu

The New Testament major is a 48-hour thesis program designed to equip students with an advanced academic foundation in New Testament studies. Students will be expected to gain proficiency in appropriate exegetical tools and language as well as a broad understanding of textual and theological issues. Specifically, students should be able to exegete and interpret a variety of New Testament texts and understand them within their larger theological contexts. Students who have extensive preparation at the undergraduate level may receive advanced standing (maximum 12 hours) toward this 48-hour degree.

Major Code: BIBN

**Requirements for the MA (New Testament) are:**

1. Core courses, 27 hours
2. Specialized courses, 18 hours:
   - BGRK 621 Intermediate Greek
   - BGRK 623 Seminar in the Gospels or
   - BGRK 624 Exegetical Seminar in Acts
3. New Testament elective, 3 hours
4. Mentoring
5. English Bible exam
6. Oral exam

**THEOLOGY (MA)**

Frederick Aquino, *Advisor*
ACU Box 29406, Abilene, Texas 79699-9406
Onstead-Packer Biblical Studies Building, Room 316

Phone: 325-674-3789
Fax: 325-674-6180
Email: frederick.aquino@acu.edu

The theology track is a 48-hour thesis program designed to equip students with an advanced academic foundation in theological research and integration. Students who have extensive preparation at the undergraduate level may receive advanced standing (maximum 12 hours) toward this 48-hour degree.

Major Code: MTHE

**Requirements for the MA (Theology) are:**

1. Core courses, 27 hours
2. Specialization, 15 hours:
   - BIBD 662 Systematic Theology II
   - BIBD 642 Contemporary Religious Thought
   - BIBD 647 Research Problems in Theology
   - BIBD 661 Theological Explorations
   - BIBD 678 Introduction to Philosophy of Religion
3. Electives, 6 hours
4. Mentoring
5. English Bible exam
6. Oral exam

**ANCIENT AND ORIENTAL CHRISTIANITY (MA)**

Jeff Childers, *Advisor*
ACU Box 29424
Abilene, Texas 79699-9429
Onstead-Packer Biblical Studies Building Rm 293

Phone: 325-674-3797
Fax: 325-674-6180
Email: jeff.childers@acu.edu

The Ancient and Oriental Christianity track is a 48-hour thesis program designed to equip students with an advanced academic foundation in research in the languages, cultures, and theological expressions of Ancient and Eastern Christianity. Students who have extensive preparation at the undergraduate level may receive advanced standing (maximum 12 hours) toward this 48-hour degree.

Major Code: MAOC

**Requirements for the MA (Ancient and Oriental Christianity) are:**

1. Core courses, 27 hours
2. Specialized courses, 12 hours:
   - BIBD 647 Research Problems
   - BIBH 671 Explorations in the Christian East
   - BIBH 674 Christian Mission in Global Contexts
3. Ancient language, 6 hours
4. Elective, 3 hours
5. Mentoring
6. English Bible exam
7. Oral exam
MODERN AND AMERICAN CHRISTIANITY (MA)

Douglas Foster, Advisor
ACU Box 29429, Abilene, Texas 79699-9429
Onstead-Packer Biblical Studies Building, Room 282
Phone: 325-674-3795
Fax: 325-674-6180
Email: fosterd@acu.edu

The modern and American Christianity track is a 48-hour thesis program designed to equip students with an advanced academic foundation in the recent history and current life of Christianity in North America and around the world. Students who have extensive preparation at the undergraduate level may receive advanced standing (maximum 12 hours) toward this 48-hour degree.

Major Code: MMAC

Requirements for the MA (Modern and American Christianity) are:

1. Core courses, 27 hours
2. Specialized courses, 15 hours:
   - BIBD 662 Systematic Theology II
   - BIBD 647 Research Problems
   - BIBH 670 Issues in Global Christianity
   - BIBH 655 History of Christianity in America
   - BIBH 664 Advanced Restoration History
3. Electives, 6 hours
4. Mentoring
5. English Bible exam
6. Oral exam

MASTER OF ARTS IN GLOBAL SERVICE (MAGS)

Chris Flanders, Advisor
ACU Box 29441, Abilene, TX 79699
Onstead-Packer Biblical Studies Building, Room 301-302
Phone 325-674-3742
Fax 325-674-6180
Email: chris.flanders@acu.edu

The Master of Arts in Global Service is a 48-hour program that provides an innovative, real-world curriculum that will equip Christian leaders for service in global contexts. It aims to serve learners who desire advanced education for ministries that require living, working, and communicating in the intercultural contexts typical of today’s global society. Drawing upon theology, sociology, anthropology, history, and communication theory, MAGS challenges learners to analyze contemporary global concerns, formulate Christian perspectives, and explore solutions to intercultural challenges. Learners will engage the practices of global service through a mix of graduate courses, contextual learning opportunities, and mentoring in the competencies necessary for Christian leadership and service in intercultural contexts. The result is theologically formed, missiologically adept, interculturally competent leaders who are prepared for effective and sustainable service in a variety of settings.

Persons admitted with some advanced theological study or with extensive undergraduate studies in Bible, religion, and ministry may receive up to 12 hours of advanced standing. Consult with the advisor. Students must complete all degree requirements within ten years of beginning the first course.

The degree has a thesis option. Consult with the advisor.

Major Code: MAGS

Requirements for the MA in Global Service are:

1. Orientation:
   - BIBM 602 GST Orientation (0 credit hours)
2. Tools, 9 hours:
   - BGRK 611, 612 Elementary Greek I, II
   - BIBL 627 Biblical Exegesis
3. Bible, 9 hours:
   - BIBL 610 Advanced Introduction to the Old Testament
   - BIBL 620 Advanced Introduction to the New Testament
   - Text Selection, 3 hours
4. History and Theology, 9 hours:
   - BIBD 660 Introduction to Systematic Theology
   - BIBH 651 History of Christianity I: Early and Medieval or
   - BIBH 652 History of Christianity II: Reformation to Present
   - BIBH 664 Advanced Restoration History
5. Ministry, 12 hours:
   - BIBM 603 Foundations of the Theology of Ministry
   - BIBM 657 Contexts of Ministry
   - BIBM 648 Christian Spiritual Formation
   - Ministry Elective, 3 hours
6. Electives, 9 hours.

MASTER OF ARTS IN CHRISTIAN MINISTRY (MACM)

Melinda Thompson, Advisor
ACU Box 29415, Abilene, Texas 79699-9415
Onstead-Packer Biblical Studies Building, Room 314
Phone: 325-674-3706
888-242-5360
Fax: 325-674-6180
Email: melinda.thompson@acu.edu
Web: www.acu.edu/gst

The Master of Arts in Christian Ministry (MACM) is a 48-hour degree designed to equip individuals primarily for church ministry roles other than preaching. This degree prepares students for competent leadership in some form of specialized ministry in congregations or other settings. The MACM degree is normally two years in duration for a full-time student. Persons admitted with some advanced theological study or with extensive undergraduate studies in Bible, religion, and ministry may receive up to 12 hours of advanced standing. Consult with the advisor.

Major Code: MACM

Requirements for the MACM are:

1. Orientation:
   - BIBM 602 GST Orientation (0 credit hours)
2. Tools, 9 hours:
   - BGRK 611, 612 Elementary Greek I, II
   - BIBL 627 Biblical Exegesis
3. Bible, 9 hours:
   - BIBL 610 Advanced Introduction to the Old Testament
   - BIBL 620 Advanced Introduction to the New Testament
   - Text Selection, 3 hours
4. History and Theology, 9 hours:
   - BIBD 660 Introduction to Systematic Theology
   - BIBH 651 History of Christianity I: Early and Medieval or
   - BIBH 652 History of Christianity II: Reformation to Present
   - BIBH 664 Advanced Restoration History
5. Ministry, 12 hours:
   - BIBM 603 Foundations of the Theology of Ministry
   - BIBM 657 Contexts of Ministry
   - BIBM 648 Christian Spiritual Formation
   - Ministry Elective, 3 hours
6. Electives, 9 hours.
7. Mentoring  
8. English Bible exam.  
9. E-portfolio review or thesis defense.

**MASTER OF DIVINITY (MDIV)**

The Master of Divinity (MDiv) is the basic degree in theological education. It is a 72-hour comprehensive program of studies designed to prepare graduates to serve as pulpit ministers, counselors, Christian educators, campus ministers, other ministers of the church and chaplains, and it provides the foundation for the PhD, Th.D. and DMin degrees. This three-year program seeks to provide a knowledge of the Bible and related disciplines, to integrate the knowledge of these disciplines with the skills for various ministries and to provide the opportunity for spiritual formation. Co-curricular experiences, such as the mentoring program and graduate chapel, seek to nurture the whole person in preparation for ministry.

Persons admitted with some advanced theological study or with extensive undergraduate studies in Bible, religion, and ministry may receive up to 18 hours of advanced standing. Consult with the advisor. Students must complete all degree requirements within ten years of beginning the first course.

**MASTER OF DIVINITY (Ministry)**

Kelli Bryant Gibson, *Advisor*  
ACU Box 29416, Abilene, Texas 79699-9416  
Onstead-Packer Biblical Studies Building, Room 317  
Phone: 325-674-3709  
Fax: 325-674-6716  
Email: kelli.gibson@acu.edu  
Major Code: BMDI

**Requirements for the Master of Divinity in ministry are:**

1. **Context**, 15 hours:  
   - BIBM 602 GST Orientation (0 credit hours)  
   - BIBM 603 Foundations of the Theology of Ministry  
   - BIBM 629 Field Education Contextual Immersion *or*  
   - BIBM 609 Healthcare Ministry  
   - BIBM 657 Contexts of Ministry  
   - BIBM 658 The Practice of Ministerial Leadership  
   - BIBM 679 Theological Reflection in Practice

2. **The Story of the Church**, 24-27 hours:  
   a. **Scripture**, 15 hours:  
      - BIBL 610 Advanced Introduction to the Old Testament  
      - BIBL 620 Advanced Introduction to the New Testament  
      - BIBL 611 Old Testament Theology *or*  
      - BIBL 621 New Testament Theology *or*  
      - Text Elective  
      - Text Electives, 6 hours  
   b. **History**, 9-12 hours:  
      - BIBH 651 History of Christianity I: Early to Medieval  
      - BIBH 652 History of Christianity II: Reformation to Present  
      - BIBH 664 Advanced Restoration History  
      - History elective or Theology elective (area 3b)

3. **Interpretation**, 21-24 hours:  
   a. **Theological Languages**, 12 hours:  
      - BGRK 611 Elementary Greek I  
      - BGRK 612 Elementary Greek II  
      - BHEB 671 Introduction to Hebrew I  
      - BHEB 672 Introduction to Hebrew II  
   b. **Systematic Theology**, 6-9 hours:  
      - BIBD 660 Introduction to Systematic Theology  
      - Philosophy *or* Theology elective  
      - Theology elective *or* History elective (area 2b)

4. **The Church’s Mission**, 12 hours:  
   - BIBM 648 Christian Spiritual Formation  
   - Missions electives, 9 hours

5. Mentoring  
7. E-portfolio review.

**MASTER OF DIVINITY (Missions)**

Chris Flanders, *Advisor*  
ACU Box 29441, Abilene, Texas 79699-9441  
Onstead-Packer Biblical Studies Building, Room 301-302  
Phone: 325-674-3742  
Fax: 325-674-6180  
Email: chris.flanders@acu.edu

The missions track is designed for those who plan to evangelize domestically or abroad. It also equips students with advanced academic skills in preparation for doctoral work.

**Major Code**: MDVM

**Requirements for the Master of Divinity in missions are:**

1. **Context**, 15 hours:  
   - BIBM 602 GST Orientation (0 credit hours)  
   - BIBM 603 Foundations of the Theology of Ministry  
   - BIBM 629 Field Education Contextual Immersion *or*  
   - BIBM 609 Healthcare Ministry  
   - BIBM 657 Contexts of Ministry  
   - BIBM 658 The Practice of Ministerial Leadership  
   - BIBM 679 Theological Reflection in Practice

2. **The Story of the Church**, 24-27 hours:  
   a. **Scripture**, 15 hours:  
      - BIBL 610 Advanced Introduction to the Old Testament  
      - BIBL 620 Advanced Introduction to the New Testament  
      - BIBL 611 Old Testament Theology *or*  
      - BIBL 621 New Testament Theology *or*  
      - Text Elective  
      - Text Electives, 6 hours  
   b. **History**, 9-12 hours:  
      - BIBH 651 History of Christianity I: Early to Medieval *or*  
      - BIBH 674 Christian Mission in a Global Context  
      - BIBH 652 History of Christianity II: Reformation to Present *or*  
      - BMIS 673 History of Missions  
      - BIBM 664 Advanced Restoration History  
      - History elective or Theology elective (area 3b)

3. **Interpretation**, 21-24 hours:  
   a. **Theological Languages**, 12 hours:  
      - BGRK 611 Elementary Greek I  
      - BGRK 612 Elementary Greek II  
      - BHEB 671 Introduction to Hebrew I  
      - BHEB 672 Introduction to Hebrew II  
   b. **Systematic Theology**, 6-9 hours:  
      - BIBD 660 Introduction to Systematic Theology *or*  
      - BMIS 675 Theology of Mission  
      - Theology elective or History elective (area 2b)

4. **The Church’s Mission**, 12 hours:  
   - BIBM 648 Christian Spiritual Formation  
   - Missions electives, 9 hours

5. Mentoring  
7. E-portfolio review.

**DOCTOR OF MINISTRY (DMIN)**

Carson E. Reed, *Director*  
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The Doctor of Ministry is an advanced program oriented toward ministerial leadership. Its purpose is to enhance the practice of ministry
for persons who hold the Master of Divinity degree and have engaged in ministerial leadership. It is a 33-hour program that requires a project/thesis which includes effective ministry intervention in a specific setting, a thesis which demonstrates the integration of theology and practice, and an oral examination. Distinguished from academic research programs such as the PhD or ThD, the primary emphasis of the Doctor of Ministry program is on excellence in the practice of ministry and is not intended to be an academic teaching degree.

The aim of ACU’s DMin degree is to provide the context for deepened spiritual formation for ministerial leaders, to advance skill development for leadership in faith communities, and to promote critical theological reflection that informs mission and practice. This program includes biblical interpretation, theological reflection, applied leadership theory, congregational studies, and practical theology.

The format of the DMin program is built on a series of intensive courses taken in residence on ACU’s campus or at a designated learning site. Each 3-hour course consists of pre- and post-class assignments in addition to a 1-week residency. Some courses utilize a hybrid format, incorporating both online and face-to-face learning and assignments; no courses are offered in a fully online format. The residency periods occur each year during 1 week in January and 2 weeks in June. Orientation takes place on 1 weekend in June. Spiritual formation retreats take place 1 weekend in June; students will complete 1 spiritual formation retreat during their first June residency and 1 spiritual formation retreat in a subsequent June residency of their choice.

Students’ initial residency must include all of the following: BIBM 701, BIBM 702, BIBM 740 Practical Theology for Ministerial Leadership, and BIBM 740 Project/Thesis Seminar I. Subsequent residencies may include up to 3 hours each January residency and up to 10 hours each June residency.

All requirements for a course must be completed before a student is permitted to enroll in an additional course. A minimum of three years and a maximum of six years are allowed for the completion of the degree.

The student is expected to maintain a minimum grade point average of 3.25 during the program. A grade of “C” in a course automatically puts the student on academic probation; the project/thesis must have a grade of “B” or above to graduate.

Transfer of credits from other accredited programs must be approved by the DMin Admissions and Procedures Committee. No more than two courses or six hours may be transferred.

The Doctor of Ministry has a program fee instead of standard tuition. Students are informed by letter of their admission once a decision is reached.

Upon admission to the program, new students must complete a battery of psychological tests. A fee for this testing is assessed.

Course work in the program begins in June of each year. If an applicant does not enter at the first June residency period after being accepted into the program, the admission will be honored for one additional June residency period.

Candidacy Process
The Doctor of Ministry is a formational degree that requires students to make progress in their academic, personal, and professional development. Therefore, students will be required to apply for candidacy after the first ten hours. Students should submit the Application for Candidacy Status form to the Doctor of Ministry office. Students must be approved prior to beginning second-year studies.

Major Code: BIBM

Requirements for the DMin are:

1. Orientation, 0 hours
   BIBM 701: Doctor of Ministry Orientation
2. Core courses, 6 hours
   BIBM 702 Biblical and Theological Foundations for Ministry
   BIBM 740: Practical Theology for Ministerial Leadership
3. Method and Project/Thesis, 9 hours
   BIBM 740: Project/Thesis Seminar I (1 hour)
   BIBM 740: Project/Thesis Seminar II (2 hours)
   BIBM 799: DMin Project Thesis (6 hours; includes an oral exam)
4. Spiritual Formation (0 hours)
   Two spiritual formation retreats
   Mentoring/spiritual direction throughout the program

Ministry Electives (18 hours)

Admission Requirements
An application for admission may be obtained from the Doctor of Ministry office. A student may be granted admission to the program in a given year if the following requirements are met by January 31:
For a generalist degree, select any 6 electives (18 hours). Students wishing to specialize in a track should select 4 courses (12 hours) from the appropriate track plus 2 additional electives (6 hours).

**Track Offerings:**

Christian Spiritual Formation:
- BIBM 717: Christian Spiritual Formation
- BIBM 740: Immersion in Culture, Context and Community
- BIBM 740: Living in the Tradition
- BIBM 740: Forming Communities of Faith

Leadership for Missional Renewal:
- BIBM 706: Christian Leadership Development
- BIBM 719: Missional Ecclesiology
- BIBM 740: Leading Change in Christian Organizations
- BIBM 740: Immersion in Culture, Context, and Community

Preaching for Community Transformation:
- BIBM 703: Preaching in Contemporary Contexts
- BIBM 711: Preaching and Theology
- BIBM 723: Worship
- BIBM 740: Exegesis: Text and Congregation

**Course Descriptions**

The numbers in parentheses following course titles indicate (1) hours per week of lecture, (2) hours per week of laboratory and (3) semester credit hours. An asterisk (*) following these three figures indicates variable or alternative credit, and the last figure represents the maximum variation in semester credit hours. In general, credit hours for these variable courses may range from one to the number indicated.

The frequency of offering follows the meeting and credit hour information. Courses offered every year are designated by semester(s) only. Courses offered every other year are designated by semester and odd/even year.

**Note:** Since most courses are not offered every semester, students should be aware that failure to take a required course when it is offered may delay graduation.

Any course may be offered on demand should sufficient interest be demonstrated and should a qualified instructor be available. “Demand” courses with a defined content will be offered as regularly as practical for the host department.

At the end of the course description, the following information will be given when applicable: laboratory information, corequisites (“concurrent enrollment”) and prerequisites, cross listed courses (“same as”), special fees, and pertinent information about the use of the course.

**Courses and Numbering**

All courses are listed alphabetically by course prefix and numerically within each prefix. The department and college assignments are also noted. ACU uses a three-digit course numbering system. Courses numbered 100 to 299 are lower-level courses (primarily for freshmen and sophomores). Courses numbered from 300 to 499 are upper-level, or advanced, courses (primarily for juniors and seniors). Courses numbered 500 to 799 are graduate courses. All courses numbered 000 to 099 do not count toward graduation or GPA.

**Prerequisites and Corequisites**

Some courses have prerequisites, which must be met before a student may register for that course. In some cases, a student may have special knowledge, skills or background that will enable him or her to perform well in a given class without meeting its prerequisites. Such a student should seek special permission from the department and/or instructor offering the course. Courses listed as corequisite must be taken together. Students should refer to the most recent catalog for course corequisites, prerequisites, and restrictions.

**Course Sequencing**

Some courses have recommendations of a previous course(s) for appropriate sequencing. Such recommendations are not prerequisites; the system will allow any student meeting a course’s prerequisites to enroll for a course regardless of whether the student meets the sequencing recommendations. Students are cautioned, however, to follow sequencing recommendations when all of the courses in the sequence are on their degree plans.

**Guided Study, Special Topics and Tutorial Courses**

Each department may offer Guided Study (also called Independent Study) courses (100, 200, 300, 400, 500, 600, 700); Special Topics courses (140, 240, 340, 440, 540, 640, 740); or Tutorial courses (generally offered to students at Study Abroad locations) as special needs dictate and/or available faculty allow. The first number will indicate the level of the course. Special Topics courses are offered on a one-time basis, to take advantage of particular faculty expertise, or to allow a department to develop a course for permanent inclusion in the inventory of courses. Generally, Special Topics and Tutorial courses may be included in the Semester Schedule when they are offered; Guided Studies will not be included in the Semester Schedule.

**The Texas Common Course Numbering System**

The Texas Common Course Numbering System (TCCNS) has been designed for the purpose of aiding students in the transfer of general
academic courses between colleges and universities throughout Texas. Common courses are freshman and sophomore academic credit courses that have been identified as common by institutions that are members of the common course numbering system. The system ensures that if the student takes the courses the receiving institution designates as common, then the courses will be accepted in transfer.

For further information contact the transfer course coordinator in the Registrar’s Office.

ACCT - ACCOUNTING

Department of Accounting and Finance (COBA)

ACCT 210 Financial Accounting (3-0-3), fall, spring, summer. Introduction to financial accounting. Emphasis given to corporate financial statements, their preparation, and their use in decision making by persons outside the organization. Incorporates identifying, analyzing, measuring, recording and communicating of financial information. Prerequisite: 24 earned hours.

ACCT 211 Managerial Accounting (3-0-3), fall, spring, summer. Introduction to managerial accounting. Emphasis is given to the development and analysis of accounting information used by managers in manufacturing and service businesses. Topics include managerial concepts, cost behavior principles, relevance of information, product costing techniques, and planning and control. Prerequisite: ACCT 210 with a grade of "C" or better.

ACCT 302 Cost Accounting I (3-0-3), fall, spring. A study of principles and techniques of cost accounting for product costing, planning and control. Topics include but are not limited to job-order, process, and hybrid costing systems, allocation methods, cost-volume-profit analysis, standard costing, and flexible budgeting. Prerequisite: ACCT 210 with a grade of "C" or better.

ACCT 304 Income Tax I (3-0-3), fall, spring. Study of federal income tax law and procedures as they pertain to individuals. Topics include but are not limited to gross income, exclusions, and personal business deductions and credits. Emphasis is placed on practical problem solving using tax forms, tax research and tax planning cases. Prerequisite: ACCT 210 with a grade of "C" or better.

ACCT 310 Intermediate Accounting I (3-0-3), fall, spring. General objectives and principles of financial accounting with emphasis on accounting for assets and statement presentation. Topics include but are not limited to historical development of the accounting profession, the FASB conceptual framework, balance sheet analysis, revenue recognition and income determination, and concepts of present and future value. Prerequisite: ACCT 210 with a grade of "C" or better.

ACCT 311 Intermediate Accounting II (3-0-3), fall, spring. Current procedures in accounting for liabilities, stockholder's equity, statement analysis and special statement preparation. Topics include leases, pensions, earnings per share, and accounting for price changes. Prerequisite: ACCT 310 with a grade of "C" or better.

ACCT 324 Accounting Information Systems (3-0-3), fall, spring. A study of the integration of information technology in accounting information systems. Emphasis is placed on understanding business processes and how the integration of technology impacts these processes, as well as learning how internal controls are implemented to ensure the integrity of information produced by the systems. Prerequisites: ACCT 210, BUSA 120, both with grade of "C" or better.

ACCT 404 Income Tax II (3-0-3), spring. Tax research methods and survey of federal income tax law and procedures primarily as they pertain to partnerships, corporations, and trusts and estates. Topics include but are not limited to problems between partners and corporations, corporate operating rules, complete and partial corporate liquidations, earnings accumulations, corporations, trust and estate operations and taxation. Prerequisite: ACCT 304 with a grade of "C" or better.

ACCT 405 Fundamentals of Auditing (3-0-3), fall, spring. Study of auditing theory and procedures. Topics include but are not limited to the auditor's report, structure of the profession, code of ethics, litigation, engagement planning, evidence, internal control, audit programs, and statistical sampling. Prerequisite: ACCT 311 with a grade of "C" or better.

ACCT 410 Advanced Accounting I (3-0-3), fall, spring. Accounting for alternative forms of business expansion with emphasis on consolidated statements. Topics include, but are not limited to, partnerships, business combinations, consolidated financial statements, foreign operations and segment reporting. Prerequisite: ACCT 311 with a grade of "C" or better.

ACCT 499 Accounting Internship (3-0-3), on demand. A practical work experience in accounting or finance. Prerequisites: ACCT 302, 310; GPA of 2.75 or above in BA; overall GPA of 2.50 or above; and consent of department chair. Same as FIN 499, IS 499, ITC 499, MGMT 499 and MKTG 499.

AENV—AGRICULTURAL AND ENVIRONMENTAL SCIENCES

Department of Agricultural and Environmental Sciences (CAS)

AENV 110 Introduction to Agricultural and Environmental Systems and Technology (2-2-3), fall. Overview of global agricultural and environmental systems from a Christian worldview. Departmental expectations, career opportunities and student outcomes portfolios are introduced. Students gain exposure to software packages used in the A&E curriculum and emerging technology. Laboratory graded and credited with course.

AENV 130 Environmental and Technological Science (3-0-3), fall, spring, summer. A study of environmental and technological sciences including natural resources and the impact of modern technology on the human environment. May be used to satisfy Science University Requirements. This course is for non-science majors.

AENV 371 Experimental Designs and Data Analysis (3-0-3), fall. Fundamental concepts of experimental and statistical methods as applied to agricultural research. Various experimental designs, their analysis and application to agricultural research will be discussed. Course provides hands-on training with SAS applications to prepare students for real life data collection and analysis. Prerequisite: MATH 123 or 130.

AENV 384 Internship in Agricultural and Environmental Sciences (3-0-3)*, on demand. Supervised field experience providing in-service training and practice in agricultural and/or environmental sciences. May be taken twice. Maximum 3 hours of credit awarded per approved experience. Prerequisites: 60 earned hours; final approval by department chair.

AGING STUDIES – SEE GERO – GERONTOLOGY

AGRB - AGRIBUSINESS

Department of Agricultural and Environmental Sciences (CAS)

AGRB 261 Principles of Agricultural and Applied Economics (3-0-3), fall. A study of microeconomics principles and their application to food, fiber and natural resource issues. May be used to satisfy University Requirements social science requirement. Prerequisite: 24 earned hours.

AGRB 382 Agribusiness Management (3-0-3), spring. Examination, discussion and application of the basic skills needed to be an effective manager of an agribusiness. Prerequisite: AGRB 261 or ECON 261.

ANSC - ANIMAL SCIENCE

Department of Agricultural and Environmental Sciences (CAS)

ANSC 111 General Animal Science (2-3-3), fall. A survey of factors involved in the production and marketing of livestock. Laboratory includes judging and production skills. Laboratory graded and credited with course. May be used to satisfy Science University Requirements.

ANSC 235 Companion Animal Management (3-0-3), fall. Practical aspects of behavior, nutrition, breeds and breeding, reproduction, health and management of dogs, cats and other animals generally considered

ANSC 337 Animal Nutrition Lab (0-1-1), spring. Provides a set of practical activities to complement the Animal Nutrition course. Focuses on the application of nutritional principles of animal feeding, nutritional value of feed ingredients and methods of assessment. Principles of ration formulation and practice will be emphasized. Students will receive different feed samples to analyze for dry matter, fiber, digestibility, nitrogen and nitrogen fractions. Prerequisite or corequisite: ANSC 336.

ANSC 343 Animal Reproduction (3-0-3), fall, odd years. Physiological processes of reproduction in farm animals, anatomy and physiology of the reproductive system, endocrine relationships, fertility and factors affecting reproduction efficiency, methods of artificial insemination, methods of improving reproductive performance and the ethics of using reproductive technologies. Prerequisites: ANSC 111, BIOL 112/114 and BIOL 113/115.

ANSC 345 Techniques in Animal Production (0-3-1), spring. Hands-on animal production practices and techniques currently used in the livestock industry. Reproductive and management techniques are emphasized. Students will also develop proficiency in care, handling, and routine procedures for swine, sheep, goats, horses, beef and dairy cattle. May be taken twice. Maximum of one hour of credit awarded per experience. Prerequisites: ANSC 343, 363 or 483.

ANSC 360 Horses and Horsemanship (2-3-3), fall, spring, summer. Horse industry. Breeding, feeding, and management principles for light horses. Disease control. Types and breeds of riding horses, gait, grooming, showing, training and basic instruction in various riding patterns. Laboratory graded and credited with course. One semester hour credit can substitute for 1 hour of PEAC activity in the University Requirements.

ANSC 363 Monogastric Livestock Production (3-0-3), spring, even years. Swine and poultry production. Industry dimensions and structure, breeding plans, nutritional requirements, feeding and feeding strategies, behavior, health care and economics, and relevant production systems. Prerequisite: ANSC 111.

ANSC 392 Animal Health (3-0-3), spring. A discussion of diseases affecting farm animals. Provides an in-depth examination of diseases of major economic importance in each category of farm animals. Selected, infectious, production and parasitological diseases of cattle, small ruminants, pigs, poultry and horses will be discussed. Clinical signs, prevention and treatment will be presented for each disease. Prerequisites: BIOL 112/114 and 113/115.

ANSC 431 Animal Biotechnology (3-0-3), fall. Current techniques used in biotechnology and their applications to the animal agriculture field will be explored. Topics covered include gene mapping, somatic cell cloning, embryo sexing, transgenesis and marker assisted selection. Prerequisites: BIOL 475 and 476.

ANSC 483 Ruminant Livestock Production (3-0-3), spring, odd years. Structure of the ruminant industry in Texas and the United States. Physiology of ruminants, management practices including breeds and breeding, feeding, health and disease prevention and control, housing and waste management. Systems of production for beef and dairy cattle, sheep and goats. Prerequisite: ANSC 111.

ANSC 496 Animal Breeding (3-0-3), fall, even years. Genetics applied to the improvement of domestic animals and methods of selection. Introduction to basic statistics. Prerequisite: BIOL 351.

ANSC 497 Special Problems in Animal Science (3-0-3), spring. A special project course. Students will complete a project on a selected topic, issue or problem. Projects may relate to research, extension or care and management of livestock. Prerequisite: Senior standing. A capstone and writing-intensive course.

ANTH - ANTHROPOLOGY
Department of Communication and Sociology (CAS)

ANTH 101 Introduction to Anthropology (3-0-3), fall. An overview of archeology, physical, linguistic, and cultural anthropology. Challenges students to a serious look at today's "global village" with its diversity of cultures and a fuller understanding of "tribal loyalties" in the midst of growing international interdependence. An appropriate world view is suggested, in contrast to provincialism. May be used to satisfy University Requirements.

ANTH 211 Ethnography of U.S. Culture (3-0-3), fall, spring. Designed for international or American students who have been enculturated in an ethnic enclave significantly different from mainstream U.S. culture. An in-depth study of American cultural traits and social structures with guided field experiences of an ethnographic nature.

ART - ART
Department of Art and Design (CAS)

ART 101 Introduction to Art (3-0-3), fall, spring. Fundamentals of visual art pertaining to perceptive viewing and understanding. May be used to satisfy University Requirements.

ART 105 Two-Dimensional Design (2-4-3), fall, spring. Fundamentals of visual organization on a two-dimensional plane. Study of value, color, shape, line, and their interrelationships.

ART 106 Three-Dimensional Design (2-4-3), fall, spring. Fundamentals of organization in three-dimensional space. Study of space articulated by line, plane, volume, and surface.

ART 111 Basic Drawing (2-4-3), fall, spring, summer. Introduction to studio activity. Visual fundamentals as expressed through drawing. Line, value, space, texture, proportion, composition.

ART 112 Figure Drawing I (2-4-3), fall, spring, summer. Continued exploration of drawing fundamentals with emphasis on the figure. Prerequisite for art majors: ART 111.

ART 213 Figure Drawing II (2-4-3), fall, spring, summer. More complex drawing problems emphasizing the figure. Emphasis on varied material, techniques, and concepts. Prerequisite: ART 112.

ART 221 Art History: General Survey I (3-0-3), fall, spring. Art of the Western World from Prehistoric through Gothic. May be used to satisfy University Requirements.

ART 222 Art History: General Survey II (3-0-3), spring. Art of the Western World from Renaissance through Modern. May be used to satisfy University Requirements.

ART 287 Art Education Methods: All-Levels (2-4-3), fall, spring. Theory, techniques, materials, and activities appropriate for elementary, junior high and high school art instruction.

ART 291 Introduction to Black and White Photography (3-0-3), fall. In-depth introduction to the basic principles and history of black-and-white photography. Course includes the study of small-format cameras, film exposure, basic darkroom techniques, and the fundamental theory and practice of photography such as the meanings of various photographic terms, composition, and the artistic expression throughout studio assignments.

ART 292 Digital Art Photography (3-0-3), spring only. Explores digital photography and digital camera operations, covering lighting, composition, exposure, and image editing. Students will study and fundamentals of digital photographic concepts as well as experimental processes. Basic computer skills are required. This course is designed for art and design majors, but non-art majors can register with instructor's approval. Prerequisites: Basic computer skills and fundamentals of photography are required.
ART 314 Advanced Drawing (2-4-3), spring, summer. Emphasis on experimentation with concept and media. Prerequisite: ART 213.

ART 315 Printmaking (2-4-3), spring. Introduction to printmaking with primary emphasis on relief and intaglio processes. Prerequisites: ART 105, 112.

ART 317 Introduction to Illustration (2-4-3), fall. An introduction to illustration as a commercial art field. Explores pictorial problem-solving for a client through utilization of traditional media and processes. Prerequisites: ART 105, 111, 112.

ART 318 Digital Illustration (2-4-3), spring. Explores the computer as a medium for creating original images for commercial art outlets. Uses both bitmap and vector programs. Prerequisites: ART 105, 111, 112, 317.

ART 324 Art History: American (3-0-3), spring. Architecture, painting, and sculpture of the United States from Colonial times to the present.

ART 325 Art History: Christian (3-0-3), fall. Christian art from the first century to the present.

ART 331 Sculpture I (2-4-3), fall, spring. Exploration of sculptural form. Media and processes will vary but may include metal casting, clay portraiture, and stone carving. Prerequisite: ART 106.

ART 332 Sculpture II (2-4-3), fall, spring. Continued exploration of sculptural form begun in ART 331. Media and processes will vary but typically include welding processes, mixed media, wood construction, and bronze casting. Prerequisite: ART 331.

ART 341 Painting I (2-4-3), fall, spring. Problems in pictorial expression. Oil or acrylics. Prerequisites for art majors: ART 105, 112.

ART 342 Painting II (2-4-3), fall, spring. Continuation of ART 341. Development of painting problems in keeping with the student's personal interests and aptitudes. Prerequisite: ART 341.

ART 351 Typography I (2-4-3), fall, spring. Introduction to formal resources, systems, conceptual principles and procedures underlying the practice of typography. Particular attention is given to problem solving, the visualization of problems and solutions, and the correlation of forms with their content, function, and context. Prerequisite: ART 105.

ART 352 Typography II (2-4-3), fall, spring. An introduction to computer aided design with emphasis on InDesign and Photoshop. Continuing emphasis on problem solving in relation to electronic message making. Prerequisite: ART 351.

ART 353 Identity and Brand Design (2-4-3), spring. Examination of the problems and possibilities using design to interpret information. Exploration of how difficult concepts and abstract ideas can be made visible and understandable to an audience. Prerequisites: ART 352 and Junior standing in art.

ART 361 Ceramics I (2-4-3), fall, spring. Introduction to ceramics. Construction of pottery forms by hand building and on the potter's wheel.

ART 362 Ceramics II (2-4-3), fall, spring. Development of proficiency on the potter's wheel. Concentration on design and introduction to glazes. Prerequisite: ART 361.

ART 371 Jewelry/Metals I (2-4-3), fall. Designing and making jewelry and small objects with various metals and alternate materials. Casting and constructed forms. Prerequisites for art majors: ART 105, 106.

ART 372 Jewelry/Metals II (2-4-3), fall. Exploration of the plasticity of metal by smithing. Jewelry work in fabrication or casting. Emphasis on design and craftsmanship. Prerequisite: ART 371.

ART 423 Art History: 20th Century (3-0-3), fall. Art of the late 19th and 20th centuries in Europe and the United States. Prerequisite: ART 222. A capstone and writing-intensive course.

ART 433 Sculpture III (2-4-3), fall, spring. Advanced sculpture problems with emphasis on content. The student is encouraged to experiment with new materials and techniques. Prerequisite: ART 332.

ART 434 Sculpture IV (2-4-3), fall, spring. Problems involving larger scale forms with medium and technique chosen by the student. Prerequisite: ART 433.

ART 443 Painting III (2-4-3), fall, spring. Increased emphasis on student initiative and experimentation in problems of content, style and technique. Prerequisite: ART 342.

ART 444 Painting IV (2-4-3), fall, spring. Continuation of ART 443. The student will be expected to develop a personal style of pictorial expression. Prerequisite: ART 443.

ART 454 Information Graphics (2-4-3), fall. Investigation of publication design, particularly that of magazines and books. Emphasis on marketing and directing reader's emotional and intellectual response. Prerequisite: ART 352.

ART 455 Persuasive Graphics (2-4-3), fall. Introduction to package design; investigation of materials and production methods. Projects include revitalization of existing packaging and packaging of new products. Prerequisite: ART 352.

ART 456 Graphic Design Portfolio (2-4-3), spring. Advanced problem solving activities structured to increase graphic design awareness and skills. Internship with local design firms. Course work culminates in a mini-exhibition or presentation. Prerequisites: ART 353, 454, 455 or permission of instructor. A capstone course.

ART 457 Interactive Design (2-4-3), spring. Introduces interactive Web design; reviews current visual communication practices on the Internet, considering the basic concepts of information architecture, developing core technical and design competencies, and exploring the fundamentals of interaction design. The class challenges students to expand the creative potential of the medium. Prerequisites: ART 352, 353 and 454 or permission from instructor for non-art majors.

ART 463 Ceramics III (2-4-3), fall, spring. Further development of proficiency on the wheel. Special projects in technique and form. Experiments with glazing and firing. Prerequisite: ART 362.

ART 464 Ceramics IV (2-4-3), fall, spring. Individual problems and assignments. Prerequisite: ART 463.

ART 473 Jewelry/Metals III (2-4-3), fall. Casting, fabrication and forging continued. Chain making. Historical studies of style and function of jewelry. Prerequisite: ART 372.

ART 474 Jewelry/Metals IV (2-4-3), fall. Fabrication, forming, exploration of non-traditional materials. Experimental approach to form and material. Prerequisite: ART 473.

ART 490 Advanced Studio Problems (2-4-3), on demand. Specific problems in various media. Course content and media to be determined by the instructor. May be repeated up to 3 times. Prerequisites: Junior standing and permission of instructor and department chair.

ART 495 Life and Career in Art (3-0-3), spring. A study of the culture of the art world, the marketplace for art and art services, and the professional practices required for a career in fine or applied arts. Special emphasis is given to developing skills, practices, and values for an artistic life of leadership and influence. Prerequisites: Senior standing and one of ART 318, 433, 443, 455, 463, 473, or 490 in drawing. A capstone course.

BCOR – BIBLE CORE
College of Biblical Studies (CBS)

BCOR 310 The Search for Meaning (3-0-3), fall, spring. A detailed study of systems of meaning through which human beings make sense of their lives. Students will compare Christianity with Islam and at least one other system of meaning. Includes analysis of creative expressions of these systems. Prerequisite: Junior standing (60 hours); CORE 115 or 210. May be used to satisfy University Requirements.
BGRK - BIBLICAL GREEK
College of Biblical Studies (CBS)


BGRK 331 Elementary Greek Readings I (3-0-3), fall. Reading and interpreting the gospel of John. Using Greek in ministry. Grammatical review with an emphasis on syntax. Prerequisites: BGRK 221 and 222.


BGRK 442 Exegetical Greek Seminar II (3-0-3), spring. Continuation of BGRK 441. Prerequisites: BGRK 331, 332 and 441.


BGRK 612 Elementary Greek II (3-0-3), spring. A continuation of BGRK 611. Prerequisite: BGRK 611.


BGRK 622 Intermediate New Testament Greek (3-0-3), fall. An expository seminar for advanced students; intensive study of the Greek text with special attention to literary and historical method; directed research in selected passages and topics. Prerequisites: BGRK 621 and consent of professor. This course may be repeated.

BGRK 623 Seminar in the Synoptic Gospels (3-0-3), fall, odd years. For advanced students; issues of synoptic research and methodology; relationship of the synoptics to John and to non-canonical gospels; message and theology of the individual evangelists; directed research in selected passages. Prerequisites: BGRK 621, and consent of professor.

BGRK 624 Exegetical Seminar in Acts (3-0-3), fall, even years. An exegesis seminar for advanced students; intensive study of the Greek text with special attention to literary and historical method; directed research in selected passages and topics. Prerequisites: BGRK 621 and consent of professor.

BGRK 625 Exegetical Seminar in the Epistles (3-0-3), spring. Seminar for advanced students; directed research in selected passages and topics. Prerequisites: BGRK 621 and consent of professor. This course may be repeated.

BGRK 626 Seminar in New Testament Textual Criticism (3-0-3), on demand. A seminar for advanced students; sources of textual data; history of the printed Greek New Testament; principles of textual criticism; problems of canon; analysis of selected units of variation; exercises in paleography. Prerequisites: BGRK 621 and consent of professor.

BHEB - HEBREW
College of Biblical Studies (CBS)

BHEB 471 Introduction to Hebrew I (3-0-3), fall. An inductive study of the elements of the Hebrew language: forms, syntax, vocabulary. Prerequisites: Junior standing and consent of instructor; BIBL 101 and 102 (or 103); 211.

BHEB 472 Introduction to Hebrew II (3-0-3), spring. Continuation of BHEB 471. Prerequisites: Junior standing or consent of the instructor; BHEB 471; BIBL 101 and 102 (or 103); 211.

BHEB 622 Elementary Syriac (3-0-3), on demand. Introduction to classical Syriac grammar, vocabulary, and syntax, with an aim towards the acquisition of elementary reading skills. Emphasis on the use of grammatical tools and the significance of Syriac for biblical studies, church history, and the study of Christian spirituality.

BHEB 623 Intermediate Syriac (3-0-3), on demand. Readings in Syriac texts, with an emphasis on improving reading ability and on critical engagement. Texts and topics selected according to student interest. Prerequisite: BHEB 622.


BHEB 672 Introduction to Hebrew II (3-0-3), spring. Continuation of BHEB 671. Prerequisite: BHEB 671.

BHEB 681 Intermediate Hebrew Readings I (3-0-3), fall. Readings in the Hebrew Bible with special attention to grammar and vocabulary building. An introduction to the textual criticism of the Hebrew Bible. Prerequisite: BHEB 672.

BHEB 682 Intermediate Hebrew Readings II (3-0-3), spring. Continuation of BHEB 681. Prerequisite: BHEB 681.

BIBD - THEOLOGY
College of Biblical Studies (CBS)

BIBD 642 Contemporary Religious Thought (3-0-3), on demand. Surveys contemporary theological thinkers and explores their relevance for theological issues today.

BIBD 647 Research Problems in Theology (3-0-3), on demand. Research problems (not pertaining to the thesis) in the light of individual needs and interests.

BIBD 660 Introduction to Systematic Theology (3-0-3), fall. Introduces the tasks and methods of systematic theology and focuses on Christian doctrines such as God, atonement, providence, human selfhood, and the church.

BIBD 661 Theological Explorations (3-0-3), spring. An in-depth study of one of the major Christian doctrines in light of insights from other fields of knowledge.

BIBD 662 Systematic Theology II (3-0-3), summer, every other year. This seminar explores the historical, theological, moral, and philosophical contours of the Christian conception of deification.

BIBD 678 Introduction to Philosophy of Religion (3-0-3), spring. Introduces the task and methods of philosophy of religion and focuses on select philosophical issues facing contemporary Christians.

BIBD 686 Christian Ethics (3-0-3), fall. Introduces the task and methods of Christian ethics and focuses on select ethical issues facing contemporary Christians.

BIBD 699 Master's Thesis (0-0-6). * May be requested.

BIBH - CHURCH HISTORY
College of Biblical Studies (CBS)

BIBH 380 Survey of Church History (3-0-3), fall, spring. Examines major people, ideas, and events in the history of Christianity from the beginnings to the present. Includes introductions to ancient, medieval, Reformation and modern church history. Prerequisites: Sophomore standing; BIBL 101 and BIBL 102 (or 103).

BIBH 383 Restoration History (3-0-3), spring. History of the Churches of Christ in America from 1800 to present. Prerequisites: Sophomore standing; BIBL 101 and BIBL 102 (or 103).

BIBH 432 Story of Christian Spirituality (3-0-3), spring. Systematic historical and analytical survey of the ways in which Christians have pursued the spiritual life from the early days of Christianity to the present day. Emphasis on key historical figures, primary sources, and developing critical tools for interpreting and evaluating Christian spiritual expressions. Prerequisites: Sophomore standing; BIBL 101 and BIBL 102 (or 103).
BIBH 633 Readings in Christian Spirituality (3-0-3), fall, odd years. Studies the historical development of Christian spiritual reflection as expressed by select key writers. Emphasis on primary source reading, critical engagement with classic texts, and integration of course material for spiritual formation and ministerial leadership. Recommended prior courses: BIBH 651 and BIBH 652.

BIBH 651 History of Christianity I: Early to Medieval (3-0-3), fall. The development of doctrine, institutions, worship, missions and daily life in the church from post-apostolic times to the 13th century.

BIBH 652 History of Christianity II: Reformation to Present (3-0-3), spring. The development of doctrine, institutions, worship, missions and daily life in the churches from the 13th to 21st centuries.

BIBH 655 History of Christianity in America (3-0-3), on demand. Christianity in America from its beginnings to the present. Special emphasis on the colonial period, the democratization of Christianity, the development of 19th-century denominationalism, the rise of ecumenism, and contemporary trends.

BIBH 664 Advanced Restoration History (3-0-3), fall. A study of the beginning and development of the Stone-Campbell Movement from the eleventh to the twenty-first century.

BIBH 667 Research Problems in Church History (3-0-3), on demand. Research problems (not pertaining to the thesis) in the light of individual needs and interests.

BIBH 670 (3-0-3), spring, even years. An online seminar introducing students to factors now shaping Christianity, including the shift of the population center toward the global south, persecution, the expansion of Pentecostalism, and ecumenism.

BIBH 671 Explorations in the Christian East (3-0-3), fall, even years. Explores selected topics in the study of historic Eastern Christianity, giving particular attention to aspects of the Greek, Syriac, and Arabic Christian traditions. Recommended prior course: BIBH 651

BIBH 674 Christian Mission in Global Contexts (3-0-3), fall, even years. Surveys the growth and development of Christianity as a mission movement during a specific period and in designated geographical areas. Emphasis on modes of contact with non-Christian religious populations and on methods of Christianizing converts. Recommended prior course: BIBH 651

BIBH 683 Restoration History and Polity (3-0-3), on demand. An introduction to the history of the Stone-Campbell Movement from its beginnings to the present, including an examination of the developments of its theological doctrines and structures.

BIBH 699 Master's Thesis (0-0-6).* May be repeated.

BIBL - BIBLICAL STUDIES

College of Biblical Studies (CBS)

BIBL 101 Jesus: His Life and Teachings (3-0-3), fall, spring. A survey of the four gospels. May be used to satisfy Bible University Requirements.

BIBL 102 Early Christians: Life, Literature and Community (3-0-3), fall, spring. Apostolic history in Acts and the Epistles. May be used to satisfy Bible University Requirements.

BIBL 103 Story of the New Testament (3-0-3), fall, spring. This introductory Bible course is designed for students transferring to ACU with 32 or more hours. It surveys the content of the New Testament with a particular focus on the story of Jesus Christ and how the earliest faith communities appropriated and applied his story to their own contexts.

BIBL 211 Message of the Old Testament (3-0-3), fall, spring, summer. An overview of the Old Testament providing an outline of special themes and the overall purpose of the books. The basic message of the Old Testament as a whole, including content and theological themes, will be examined. May be used to satisfy Bible University Requirements.

BIBL 302 Introduction to Biblical Interpretation (3-0-3), fall, spring. This course explores various methods of biblical interpretation with emphasis on the tools needed for responsible, insightful, and creative Bible study in the context of ministry. For majors only. Prerequisites: BIBL 101 and 102 (or 103), BIBL 211.

BIBL 359 The Gospel of John (3-0-3), on demand. A study of Christ as revealed by John in the fourth gospel. Prerequisites: Sophomore standing; BIBL 101 and 102 (or 103); 211

BIBL 364 Pauline Mission and Message (3-0-3), spring. Surveys the life and writings of one of the most important and influential leaders of the early church. It explores the cultural context of Paul's work and writings as well as the concepts expressed in his letters. Prerequisites: BIBL 101 and 102 (or 103); 211

BIBL 365 General Epistles (3-0-3), on demand. The epistles of James, Peter, John and Jude. Prerequisites: Sophomore standing; BIBL 101 and 102 (or 103); BIBL 211; BGRK 221 and 222. For majors only.

BIBL 367 The Book of Acts (3-0-3), spring. The beginnings of the church, introduction, text and doctrines. The bearing of the book on present day problems. Prerequisites: Sophomore standing; BIBL 101 and 102 (or 103); 211.

BIBL 451 The Pentateuch (3-0-3), fall, spring. An introduction to and exegesis of the first five books of the Old Testament. Prerequisites: Sophomore standing; BIBL 101 and 102 (or 103); BIBL 211. May be used to satisfy University Requirements.

BIBL 452 Historical Books of the Old Testament (3-0-3), fall, spring. History of Israel from the conquest to the close of the Old Testament period: Joshua-Esther. Prerequisites: Sophomore standing; BIBL 101 and 102 (or 103); 211.

BIBL 453 The Devotional and Wisdom Literature of the Old Testament (3-0-3), fall, spring. An exegesis of Job, Psalms, Proverbs, Ecclesiastes, and Song of Solomon. Prerequisites: Sophomore standing; BIBL 101 and 102 (or 103); 211.

BIBL 454 The Prophetic Literature of the Old Testament (3-0-3), fall, spring. Background and message of the prophetic books. Prerequisites: Sophomore standing; BIBL 101 and 102 (or 103); BIBL 211.

BIBL 458 The Synoptic Gospels (3-0-3), fall. A detailed study of one of the synoptic gospels, either Matthew, Mark, or Luke. Prerequisites: Sophomore standing; BIBL 101 and 102 (or 103). This course may be repeated with different content, upon approval of the department chair.

BIBL 460 Galatians and Romans (3-0-3), on demand. An intensive exegesis study, emphasizing Pauline theology. Prerequisites: Sophomore standing; BIBL 101 and 102 (or 103); 211.

BIBL 461 The Corinthian Letters (3-0-3), on demand. Historical, exegetical and practical study of these two significant letters. Prerequisites: Sophomore standing; BIBL 101 and 102 (or 103); BIBL 211.

BIBL 466 Book of Revelation (3-0-3), on demand. Includes a study of the fortunes of the church as set forth in the Revelation, with emphasis given to the continual struggle between righteousness and evil, with the final victory of the Christ and His church. Prerequisites: Sophomore standing; BIBL 101 and 102 (or 103); 211.

BIBL 601 German for Theological Studies (3-0-3), spring, even years. Designed to give students an overview of German grammar and a basic vocabulary of about 2,000 words to help with research and prepare for a German reading exam.

BIBL 610 Advanced Introduction to the Old Testament (3-0-3), fall, spring. A general introduction to the Old Testament and a special introduction to each section and each book. Special attention will be given to revelation, inspiration, canonicity, manuscripts and versions. The authorship, date, background, interpretations and critical problems of each book are studied.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Title Details</th>
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<tbody>
<tr>
<td>BIBL 611</td>
<td>Old Testament Theology</td>
<td>(3-0-3), spring. A study of selected portions of the Old Testament to attempt to determine the major religious teachings of each portion.</td>
</tr>
<tr>
<td>BIBL 627</td>
<td>Biblical Exegesis</td>
<td>(3-0-3), on demand. Literary, historical and theological contexts of selected passages will be emphasized and attention given to exegetical methods.</td>
</tr>
<tr>
<td>BIBL 630</td>
<td>Biblical Theology</td>
<td>(3-0-3), fall, odd years. Introduction to the theological issues which are essential to the study of both Old and New Testaments as a single, unified Bible. An overview of history, methodology, and considerations of canon are provided. Special attention will be given to the role of biblical theology in congregational ministry (teaching, preaching).</td>
</tr>
<tr>
<td>BIBL 649</td>
<td>Women in the Old Testament</td>
<td>(3-0-3), spring. A study of the lives and roles of women in the Old Testament with special attention to the context of patriarchy in the ancient Near East and the interpretation of these stories by female scholars.</td>
</tr>
<tr>
<td>BIBL 651</td>
<td>The Pentateuch</td>
<td>(3-0-3), on demand. An introduction to and exegesis of the first five books of the Old Testament.</td>
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<tr>
<td>BIBL 652</td>
<td>Historical Books of the Old Testament</td>
<td>(3-0-3). The history of Israel from the conquest to the close of the Old Testament period, Joshua-Esther.</td>
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<tr>
<td>BIBL 654</td>
<td>Prophetic Literature of the Old Testament</td>
<td>(3-0-3). The background and message of the prophetic books.</td>
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<tr>
<td>BIBL 659</td>
<td>The Gospel of John</td>
<td>(3-0-3), on demand. An exegetical study of the fourth gospel.</td>
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<tr>
<td>BIBL 660</td>
<td>The Books of Galatians and Romans</td>
<td>(3-0-3), on demand. An exegetical study.</td>
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<tr>
<td>BIBL 661</td>
<td>The Corinthian Letters</td>
<td>(3-0-3), on demand. An exegetical study.</td>
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<tr>
<td>BIBL 662</td>
<td>Backgrounds of the New Testament and Early Christianity</td>
<td>(3-0-3), spring. Political, philosophical, cultural and religious backgrounds of the early years of the Christian era and their influence upon Christianity.</td>
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<tr>
<td>BIBL 663</td>
<td>The Pastoral Epistles</td>
<td>(3-0-3), on demand. An exegetical study of I and II Timothy and Titus.</td>
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<tr>
<td>BIBL 664</td>
<td>The Book of Hebrews</td>
<td>(3-0-3), fall. An exegetical study.</td>
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<tr>
<td>BIBL 665</td>
<td>The General Epistles</td>
<td>(3-0-3), on demand. An exegetical study of the epistles of James, Peter, John and Jude.</td>
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<tr>
<td>BIBL 666</td>
<td>The Book of Revelation</td>
<td>(3-0-3), on demand. An exegetical study.</td>
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<tr>
<td>BIBL 667</td>
<td>The Book of Acts</td>
<td>(3-0-3), on demand. An exegetical study.</td>
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<tr>
<td>BIBL 671</td>
<td>Baptism and Eucharist</td>
<td>(3-0-3), spring, on demand. Examines the biblical and historical Christian texts important for understanding of Baptism and the Lord's Supper in Christian theology. The emphasis is upon the earliest evidence, and the important backgrounds and later interpretations of these texts will be explored for their understandings of baptism and the Lord's Supper.</td>
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<tr>
<td>BIBL 680</td>
<td>Introduction to Christian Scripture</td>
<td>(3-0-3), fall, on demand. Examines the biblical text as it outlines the nature of community before God and the mission of that community. Various interpretive models are used to understand the unfolding concept of mission in the life of the church from ancient times to contemporary ministry settings.</td>
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<tr>
<td>BIBL 682</td>
<td>Teaching Scripture in Contemporary Contexts</td>
<td>(3-0-3), spring. An examination of the challenges of a teaching ministry in contemporary church settings, with a reconsideration of the literary, rhetorical, and theological dimensions of Scripture and how Scripture shapes the processes and contents of teaching. Significant attention is given to the effects of culture on a teaching ministry so that students may begin to develop more sophisticated curricular options for church education. Teaching methods also receive significant attention.</td>
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<tr>
<td>BIBL 699</td>
<td>Master's Thesis</td>
<td>(0-0-6). * May be repeated.</td>
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<tr>
<td>BIBM - CHRISTIAN MINISTRY</td>
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<tr>
<td>BIBM 330</td>
<td>Foundation of Youth Ministry</td>
<td>(3-0-3), fall, spring. This course will explore the world of adolescent development, family systems, and the programming that will enhance spiritual formation. Special attention will be given to the skills needed to work with the adolescent population. Prerequisites: BIBL 101 and 102 (or 103), BIBL 211. Majors only in the fall and non-majors in the spring.</td>
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<tr>
<td>BIBM 331</td>
<td>Youth Ministry Design</td>
<td>(3-0-3), spring. Focuses on the issues of organization and administration: leadership skills, negotiation and conflict resolution skills, and biblical models for ministering within the non-formal context. Prerequisites: BIBM 330, BIBL 101 and 102 (or 103), BIBL 211. For majors only.</td>
</tr>
<tr>
<td>BIBM 390</td>
<td>Family Relations</td>
<td>(3-0-3), on demand. Principles involved in establishing a harmonious Christian family relationship. Prerequisite: Sophomore standing.</td>
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<tr>
<td>BIBM 391</td>
<td>Ministry in Context</td>
<td>(3-0-3), spring. A biblical and practical approach to the responsibilities, struggles, and relationships of the minister and missionary. Should be taken spring of junior year, followed by an internship in the summer. Prerequisites: Junior standing; BIBL 101 and 102 (or 103), BIBL 211. For majors only.</td>
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<tr>
<td>BIBM 395</td>
<td>Introduction to Hospital Ministry</td>
<td>(2-2-3), fall, spring. Provides initial development of concepts and skills in hospital ministry through experiences with patients, families, peers, and professionals. BIBM 391 recommended prior to this course. Preference given to majors. Prerequisites: Sophomore standing; BIBL 101 and 102 (or 103), BIBL 211.</td>
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<tr>
<td>BIBM 401</td>
<td>Christian Leadership</td>
<td>(3-0-3), spring. The course prepares students in all majors to think critically about how they practice Christian leadership in the church and in the world. Prerequisites: Sophomore standing; BIBL 101 and 102 (or 103), BIBL 211.</td>
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<tr>
<td>BIBM 403</td>
<td>Christian Worship</td>
<td>(3-0-3), spring. Public and private devotions of Christians; biblical, historical, and problems of today. Prerequisites: Sophomore standing; BIBL 101 and 102 (or 103), BIBL 211.</td>
</tr>
<tr>
<td>BIBM 405</td>
<td>Women in Christian Tradition</td>
<td>(3-0-3), on demand. Designed to train Christian women theologically, academically, and practically for expanded service in the home, the church, and the world. Limited to female students. Prerequisites: Junior standing, BIBL 101 and 102 (or 103), BIBL 211.</td>
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<tr>
<td>BIBM 413</td>
<td>Seminar in Adolescent Moral/Sexual Issues</td>
<td>(3-0-3), fall, spring. Provides a biblical framework for understanding the</td>
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adolescent's sexual attitudes, values, and behaviors. Prerequisites: Junior standing; BIBL 101 and 102 (or 103), BIBM 211.

BIBM 422 Ministry on the University Campus (3-0-3), on demand. An introduction to university ministry that reviews the history of campus ministry as well as the nature of today's university student body. Participants will explore different models for ministry, principles for outreach, and methods for mentoring. The course includes engaging campus ministers and students on private and state school campuses. (Some out of town travel). Prerequisites: BIBM 101 and 102 (or 103), BIBM 211.

BIBM 429 Field Education (0-6-6),* fall, spring, summer. Problems and methods of a practical nature studied in a "laboratory" situation. Permission of Bible department chair required. May not be taken as the fifth Bible requirement in the University Requirements or for Bible minor. Prerequisites: Sophomore standing; BIBM 101 and 102 (or 103) and BIBM 211. For majors only. A capstone course.

BIBM 434 Spiritual Formation of Children (3-0-3), spring. This course is designed to equip adults to foster the spiritual formation of children in the many contexts in which they live. Attention will be given to the unique design of each child and how to nurture children toward full participation in the Kingdom of God. Prerequisites: BIBM 101 and 102 (or 103), BIBM 211.

BIBM 435 Adolescent Spiritual Formation (3-0-3), fall. Provides an overview of the key developmental issues involved in the spiritual formation of adolescents. Prerequisites: Junior standing; BIBM 101 and 102 (or 103), BIBM 211. For majors only.

BIBM 439 Teaching and Learning for Spiritual Formation (3-0-3), fall, spring. This course explores teaching and learning in both formal and informal contexts for the purpose of spiritual formation. Emphasis is given to the theory and practice of teaching, principles of learning, and the organization of planned learning experiences within the church. Prerequisites: BIBM 101, 102, 211. For majors only. A writing intensive course.

BIBM 442 Leadership of Youth and Family (3-0-3), spring. Provides the fundamental principles of family systems and offers practical strategies for developing a ministry to both the adolescent and his or her family. Prerequisites: Junior standing; BIBM 101, 102, 211; BIBM 330, 341, 435. For majors only.

BIBM 451 Sexuality and Personal Issues of Sexuality (3-0-3), spring. Addresses sexual issues through three sections: the text of Song of Songs; the individual, relational, and family issues with sex; and sexuality in the church and in one's ministry. Prerequisites: Completion of freshman and sophomore level Bible, senior standing.

BIBM 480 Arts and Culture: A Christian Aesthetic (3-0-3), spring. The arts from a Christian viewpoint as both practitioner and audience/patron, applying biblically based strategies to assess, enjoy, and participate in the forms of art prevalent in the culture while remaining faithful to the call of Christ. Prerequisites: Sophomore standing; BIBM 101 and 102 (or 103), BIBM 211. Same as THEA 480.

BIBM 491 Senior Capstone Experience (0-0-1), fall. This course is the final segment of a three-stage approach for training upper-level majors in the Department of Bible, Missions, and Ministry. It is preceded by BIBM 391, Ministry in Context. The course creates a context for practicing theological reflection on ministry, critical thinking, understanding the minister or missionary as servant leader, and adding skills for future service. Prerequisites: BIBM 429 and 391. For majors only. A capstone course.

BIBM 492 Children and Family Ministry (3-0-3), spring. This course will examine theological foundations for children's ministry as well as give attention to the organization and administration of children and family ministry. Case study, discussion and assignments are intended to enable participants to consider, compare, and contrast varying models and how they contribute to the spiritual formation of children. Prerequisites: Junior standing; BIBM 101, 102 (or 103), 211.

BIBM 493 Preaching (3-0-3), fall. Training in moving from exegesis of biblical texts to sermon construction focusing on homiletic structure and preaching various biblical genres. Actual presentation of sermons is emphasized. Prerequisite: BGRK 442 or BIBM 320. For majors only.

BIBM 601 Church Leadership (3-0-3), fall. Principles of effective organization, administration, and leadership as they apply to the life of the church.

BIBM 602 GST Orientation (0-0-0), fall, spring. Orients GST students in the MACM, MAGS, and MDIV programs providing information about both curricular and co-curricular aspects of the GST community. Students will examine personal and professional identity issues by completing various assessments. Prerequisite: Admission to the MACM, MAGS, or MDIV programs. Additional fee required.

BIBM 603 Foundations of the Theology of Ministry (3-0-3), fall only. A cornerstone experience for students enrolled in the ministerial formation programs (MDIV, MAGS, or MACM) which introduces ministry students to the resources and practices in the fields of practical theology and contextual education. Prerequisites: Acceptance into the MDIV, MAGS, or MACM degree programs.

BIBM 604 Homiletics (3-0-3), on demand. Focuses on rigorous exegesis for preaching and effective delivery of sermons based on the unique styles, problems and themes of diverse biblical genres.

BIBM 605 Preaching Old Testament Literature (3-0-3), fall, spring, summer. Explores the challenges of preaching from various genres of Old Testament literature. Particular attention is paid to the theological shape and flow of whole canonical books and the homiletical possibilities they offer as students move from text to sermon. This variable topic course periodically focuses on different canonical books. As topics vary, the course may be taken only twice. The course may be taken as text elective credit.

BIBM 607 Effective Practice of Ministry (3-0-3), fall. A substantive and practical examination of Christian ministry relating biblical theology and the ministry in historical perspective to contemporary church needs.

BIBM 609 Healthcare Ministry (2-2-3), fall, spring. Provides enhancement of ministry concepts and skills for Christian vocations for students through pastoral care experiences with healthcare patients and families and interaction with peers and healthcare professionals. It serves as an introduction to Clinical Pastoral Education.

BIBM 614 Theology and Ministry in Times of Crisis (3-0-3), spring, even years. Provides skills for intervening in crises that church leaders encounter, including needs assessment skills, maintenance of healthy boundaries within relationships, and theological reflections.

BIBM 616 Witness in Global Contexts (3-0-3), fall. Provides a theological orientation to the task of evangelism. The class builds on the assumption that the gospel has certain instincts with regard to evangelism and its interface with culture. Attention is given to the implications of gospel and culture for the presentation of the gospel.

BIBM 627 Preaching New Testament Literature (3-0-3), on demand. An exploration of the challenges of preaching from various books of the New Testament. Particular attention is paid to the theological shape and flow of whole canonical books and the homiletical possibilities they offer as students move from text to sermon. This variable topic course periodically focuses on different canonical books. As topics vary, the course may be only taken twice. May be taken as text elective credit. Prerequisite: BIBM 627.

BIBM 628 Preaching Pauline Literature (3-0-3), on demand. Enhances the ability of students to move from text to sermon as they preach from Pauline literature and examines how the form and function of different genres influence form and function in sermons. Taught as an Internet course.

BIBM 629 Field Education Contextual Immersion (3-0-6), on demand. *An immersive learning experience for students to practice,
observe, and reflect on ministry through a ministry project within a selected ministry context.

BIBM 635 Engaging Adolescents in Christian Formation (3-0-3), spring, summer. Explores the processes of Christian spiritual formation and implications for ministry with adolescents. Students will think critically and theologically about adolescence as a socially constructed concept and plan intentionally for spiritual formation in a ministry directed at those in this time of life.

BIBM 637 Ministry with Older Adults (3-0-3), January. Covers demographics of the aging community, analyzes programs for serving the older member, and how to utilize the talents of mature church members. Same as GER 637.

BIBM 644 Pastoral Ministry Skills for Church Leaders (3-0-3), summer. Pastoral ministry theory and skills for individuals, families, and congregations in crisis, especially designed for church leaders.

BIBM 645 Managing Conflict in Churches (3-0-3), spring. The course will offer an examination of the causes, arenas, and dynamics of conflict in churches with an introduction to five major approaches to interviewing in conflicted situations. A variety of instructional methods, including lectures, case studies, role plays, media, expert resource persons, and personal style instruments will be employed. Additional course fee required.

BIBM 646 Youth and Family Ministry (3-0-3), on demand. A detailed study of youth/family ministry in light of congregational systems, developmental studies, and youth culture with readings on topics significant to advanced youth ministry.

BIBM 648 Christian Spiritual Formation (3-0-3), fall, spring. Christian spiritual formation is the process of being conformed to the image of Christ for the sake of others. This course identifies how God utilizes Scripture, people, contexts, literature, spiritual disciplines, and events to transform believers into Christ likeness.

BIBM 651 Supervised Practice of Ministry I (1-0-1), fall. Classroom preparation is balanced by a variety of ministry experiences, self-discovery processes, and nurturing relationships with faculty, supervising ministers, and church leaders in multiple contexts. Through the process of gradual immersion into ministry practice, an examination of professional identity will begin. (BIBM 652-656 are a continuation of this course.) Additional course fee required.

BIBM 652 Supervised Practice of Ministry II (1-0-1), spring. Additional course fee required.

BIBM 656 Supervised Practice of Ministry VI (1-0-1), spring. Additional course fee required.

BIBM 657 Contexts of Ministry (3-0-3), spring. Identify and explore contemporary ministry contexts. Students will study and practice methods of observation and reflection on ministry that result in an enriched practice of ministry in diverse contexts.

BIBM 658 The Practice of Ministerial Leadership (3-0-3), fall. As a part of the contextual education course sequence, this course develops leadership resources for various ministerial contexts. Prerequisites: BIBM 603, BIBM 629 and BIBM 657.

BIBM 670 Worship (3-0-3), spring. Examines biblical, historical, theological and practical perspectives on worship.

BIBM 673 Ministry with Children and Families (3-0-3), spring. Through interviews and participant observation, students will learn to examine the family, school, church, and community contexts of the spiritual lives of children so as to be able more effectively to engage in their pastoral care. Intellectual, spiritual, and social dimensions of the formation of children will be attended to, as will the theological and biblical underpinnings of children's ministry.

BIBM 679 Theological Reflection in Practice (3-0-3), spring. Focuses on integration of the sub-disciplines of the M.Div. curriculum in response to specific situations (cases) requiring pastoral and theological intervention, towards the aim of producing written briefs for use in Comprehensive Exams. Students will also gain training in the use of cases in ministry. Prerequisite: Student must have finishing M.Div. status.

BIBM 681 Preaching in Contemporary Contexts (3-0-3), spring. Emphasis on communication skills in preaching (delivery, language vividness and clarity) and enhanced facility with diverse organizational strategies.

BIBM 692 Church Curriculum (3-0-3), spring. Curriculum principles applied to the total church program.

BIBM 693 Church and Family Ministry (3-0-3), fall. Students will explore the sociological, educational, and theological dimensions of churches and families. Students will write ethnographies of church and family systems and then build educational programs that respond to the reality of ministry in such settings. Students learn how to move beyond therapeutic or schooling models of Christian education to more holistic approaches.

BIBM 694 Church Administration (3-0-3), on demand. Principles of organization, administration and supervision as they apply to the life of a local congregation.

BIBM 696 Theological Perspectives on Human Behavior (3-0-3) summer. A study of the interrelationship between theological and systematic explanations of human behavior and how they may be integrated in psychotherapeutic practice and/or ministry settings while maintaining the integrity of both. Same as BMFT 696.

BIBL 699 Master's Thesis (0-0-6).* May be repeated.

BIBM 700 Guided Study (3-0-3), on demand. A fee will be assessed to the student

BIBM 701 Doctor of Ministry Orientation (0-0-0), June. Introductory course covering an overview of the program, analysis of ministry, research techniques, project design, and ministry resources.

BIBM 702 Biblical and Theological Foundations of Ministry (3-0-3), June. Investigates the development of a biblical theology of ministry, relating ministry to major themes of the Bible that affect contemporary ministry.

BIBM 703 Preaching in Contemporary Contexts (3-0-3), June, odd years. An analysis of current theories and methods of proclamation combined with the study of critical considerations in the development of the minister's theology of preaching in the contemporary culture. Emphasis on a variety of approaches to expositional preaching that let the Bible speak clearly in the students' contexts.

BIBM 706 Christian Leadership Development (3-0-3), June. An integrated analysis of theology, organizational behavior, group process, personality theory, pastoral care, and problem-solving skills designed to enhance the leadership effectiveness of participants. Additional course fee required.

BIBM 710 Crisis Counseling and Brief Therapy (3-0-3), June, odd years. Analysis of stressful events from both individual and family perspectives and from both developmental and accidental frameworks. Theologies of human nature, of the God/human relationship, and of counseling will be developed. Therapeutic strategies for crisis counseling and for doing brief therapy will be discussed. Assessment, treatment, and referral methodologies will be developed.

BIBM 711 Preaching and Theology (3-0-3), June, even years. Several theological perspectives, methods, and issues are explored in order to provide a more biblical and effective basis for preaching.

BIBM 713 Preaching From the New Testament (3-0-3), June, odd years. A study of the preparation of sermons from two New Testament books, including historical-critical analysis, examination of form, and appropriate application in the contemporary world.

BIBM 717 Christian Spiritual Formation (3-0-3), June, odd years. Examines the biblical theology, the history, and the pastoral applications of Christian spirituality giving special attention to four
BIBM 718 Theological Practice of Evangelism (3-0-3), June, even years. The practice of evangelism as a theological endeavor involves listening to the stories of our churches, attending to biblical understandings of evangelism, exploring evangelism within various systematic theologies, and allowing culture to inform questions of meaning and relevance. The overall outcome should be an articulated plan for evangelism within specific ministry contexts.

BIBM 719 Missional Ecclesiology (3-0-3), January. Focuses on understanding the relationship of the church to the mission of God in the world and applying that understanding to actual ministry contexts. Explores biblical, theological, and historical themes. Contextualization includes analysis of a post-Christendom North America and consideration of specific ecclesial practices that lend themselves to contextual innovation.

BIBM 721 Theology of Culture (3-0-3), January. Examines the relationship between culture and theological anthropology, probing the implications for ministerial contexts.

BIBM 723 Worship (3-0-3), June, even years. Prepares students to understand and engage in worship as liturgical community formation. Attention is given to biblical, theological, and sociological aspects of liturgical community formation. Prerequisites: admission to the DMin program and BIBM 702.

BIBM 725 Project/Thesis Seminar (3-0-3), June. A concluding seminar designed to integrate the competencies developed in the DMin curriculum and to create a project appropriate for the student's unique ministry setting.

BIBM 798 Continuing DMin Study (0-0-0), on demand.

BIBM 799 DMin Project/Thesis (0-0-6).*

BIBP - PHILOSOPHY

College of Biblical Studies (CBS)

BIBP 352 Biomedical Ethics (3-0-3), fall. Students will explore current bioethical issues in the health care field, evaluate each issue at the philosophical level, and learn to respond from a Christian worldview. Prerequisites: BIBL 101 and 102 (or 103).

BIBP 380 Introduction to Philosophy (3-0-3), fall. Basic concerns of philosophy to other fields, and a discussion of the major types of philosophy. Prerequisites: BIBL 101 and 102 (or 103). Same as PHIL 380.

BIBP 478 Philosophy of Religion (3-0-3), fall, even years. An examination of theism in the light of reason, competing world views, and philosophies. Prerequisites: BIBL 101 and 102 (or 103). Same as PHIL 478.

BIBP 486 Ethics (3-0-3), spring. This course introduces students to various philosophical and theological approaches to morality with a specific focus on how the Christian tradition informs our responses to critical moral questions. Prerequisites: BIBL 101 and 102 (or 103). Same as PHIL 486.

BIBP 487 History of Ancient and Medieval Philosophy (3-0-3), fall, odd years. Development of philosophical thought during the ancient and medieval periods. Prerequisites: BIBL 101 and BIBL 102 (or 103). Same as PHIL 487.

BIBP 489 History of Modern Philosophy (3-0-3), spring, even years. The development of philosophical thought from Hobbes and Descartes through Kant and Hegel with emphasis on epistemology, metaphysics, and ethical theory. Prerequisites: BIBL 101 and 102 (or 103). Same as PHIL 489.

BIBT - THEOLOGY

College of Biblical Studies (CBS)

BIBT 332 Religious Teachings of C.S. Lewis (3-0-3), spring. A study of the religious writings of C.S. Lewis, emphasizing bibliographical information and concentrating on selected works of Lewis. Prerequisites: Sophomore standing; BIBL 101 and 102 (or 103).

BIBT 342 Christianity in Culture (3-0-3), fall, spring, summer. Students will investigate the relationship of basic Christian values with some of the realities of contemporary culture. The class is also intended to promote the practice of theological reflection. Prerequisites: BIBL 101, 102 (or 103), and 211.

BIBT 379 The Church (3-0-3), fall. A systematic, doctrinal study of the biblical teachings about the church, including historical insights, practical applications, and theological perspectives. Prerequisites: Sophomore standing; BIBL 101 and 102 (or 103).

BIBT 491 Theology (3-0-3), spring. Introduces the nature of theological reflection. Students will participate in foundational discourses in the field of theology in order to understand particular biblical and historical doctrines, to embody the practical and pastoral implications of theology, and to be drawn into further devotion to God. Prerequisites: BIBL 101 and 102 (or 103).

BIOA - BIOLOGY AT AU SABLE

Department of Biology (CAS)

BIOA 302 Lake Ecology and Management (2-6-4), summer, on demand. Field study of lakes and other freshwater systems with applications to planning and management. Includes an introduction to limnology and investigation of representative lakes, streams, and wetlands of the region and compares the North American Great Lakes with the other great lakes of the world and their stewardship. Laboratory graded and credited with the course. Prerequisites: BIOI 221/223 or 222/224, CHEM 111/112 or 131/133, CHEM 113/114 or 132/134. Course offered at Au Sable Institute. Travel to site required.

BIOA 305 Field Ecology of Birds (2-6-4), summer, on demand. Biology, behavior, ecology and identification of birds. Work is primarily conducted in the field and covers the major habitats of northern lower Michigan, including wetlands, lakes, rivers, forests, dunes, and open field communities. Emphasis will be placed on identification of the spring bird fauna of northern lower Michigan by sight and by call. Laboratory graded and credited with the course. Prerequisite: BIOI 221/223 or 222/224. Course offered at Au Sable Institute. Travel to site required.

BIOA 311 Field Botany (2-6-4), summer, on demand. Field and lab identification, systematics, natural history, and ecology of vascular plants as components of natural communities. Ecological features, including stratification, history, plant zonation, adaptation, and animal interactions are examined. Relationships of plant families and higher groups are covered. Project and/or plant collection required. Laboratory graded and credited with the course. Prerequisite: BIOI 221/223 or 222/224. Course offered at Au Sable Institute. Travel to site required.

BIOA 322 Aquatic Biology (2-6-4), summer, on demand. Ecology, identification, systematics, culture, and care of aquatic plants and animals, and adaptations to freshwater environments. Aquatic life is studied in lakes, ponds, bogs, marshes, and streams and in the laboratory. The course assesses human impacts on aquatic species and ecosystems, presents procedures for the stewardship of aquatic habitats, and introduces aquatic restoration ecology. Laboratory graded and credited with the course. Prerequisite: BIOI 221/223 or 222/224. Course offered at Au Sable Institute. Travel to site required.

BIOA 345 Wildlife Ecology (2-6-4), summer, on demand. This course covers the ecology, conservation, and stewardship of wildlife species and their habitats. The main components of the course includes growth and structure of natural and managed populations, environmental and human social factors affecting wildlife communities, and wildlife conservation. The course is set in the context of the historical development of the field from management, to ecology, and to the land ethic of Leopold. It also includes discussions of how to apply this information for management and stewardship of non-game and endangered species, and long-term prospects of wildlife in changing environmental, climatic, and social contexts. Laboratory graded and
BIOL 308 Global Healthcare (3-0-3), Summer, even years. A study of healthcare delivery systems, quality of healthcare, and the impact of socioeconomic factors and culture on the delivery of healthcare through readings, discussion and interviews. Field experience will be gained through service-learning activities and observation within a medical community. Co-requisite: Participation in required shadowing, observation, and service components. Prerequisite: Sophomore standing. Same as CHEM 308, COMP 308. May be used to satisfy University Requirements.

BIOL 312 Cell Biology (3-0-3), fall, spring. Survey of cell structure and function with an emphasis on cellular energy-related events, proteins, and nucleic acids. Lecture may be taken without the lab.
Prerequisites: CHEM 114 or 134; BIOL 112/114, 113/115 and BIOL 221/223 or 222/224.

BIOL 313 Cell Biology Laboratory (0-3-1), spring. Laboratory study of cell structure and function with emphasis on energy-related events, proteins, and nucleic acids. Prerequisites: CHEM 114 or 134, BIOL 112/114, 113/115 and 221/223 or 222/224.

BIOL 330 Neurobiology (2-3-3), on demand. A consideration of the following topics: the neurophysiology of synaptic transmission, how sensory input is perceived and motor output is transmitted, and the location and function of the cranial nerve nuclei. Laboratory graded and credited with the course. Prerequisite: BIOL 312.

BIOL 332 Mind and Wellness (1-0-1), fall. An investigation into the influences on health - physical, emotional and spiritual, with examples drawn from the Asian and Hispanic cultures. Prerequisites: BIOL 112/114, 113/115.

BIOL 351 Genetics (3-0-3), fall. Fundamental principles of genetics in plants and animals. Physical basis of inheritance, expression and interaction of genes, linkage, sex linkage, and the chemical nature of genetic material. Lecture may be taken without the lab. Prerequisites: BIOL 112/114, 113/115.

BIOL 353 General Microbiology (3-0-3), fall, on demand. Principles of general microbiology including immunology, pathogenic microbiology, environmental, and industrial microbiology. Concurrent enrollment in BIOL 354 required. For non-biology majors.

BIOL 354 General Microbiology Lab (0-3-1) The study of cultivation and characterization of microorganisms, their identification, and microbiology of the environment. Concurrent enrollment in BIOL 353 required. For non-biology majors.

BIOL 355 Microbiology (3-0-3), spring. A study of the cellular structure, metabolic pathways, regulatory, and genetic exchange mechanisms of microorganisms and how these relate to microbial roles in the biosphere, industry, and disease processes. Concurrent enrollment in BIOL 357 required. Prerequisite: BIOL 312 or CHEM 223. For biology and biochemistry majors.

BIOL 357 Microbiology Laboratory (0-3-1), fall, spring, on demand. The study of cultivation and characterization of microorganisms, their identification, and the microbiology of the environment. Concurrent enrollment in BIOL 355 required. For biology and biochemistry majors.

BIOL 362 Ecology (3-0-3), fall, summer, even years. Ecological concepts, methods of vegetational and animal population analysis and biomes of the world. Lecture may be taken without the lab. Prerequisite: BIOL 221/223 or 222/224.

BIOL 364 Ecology Laboratory (0-3-1), fall. Introduction to sampling methods of plant and animal populations and communities, and how they interact with their environment. Prerequisite: BIOL 221/223 or 222/224. Special travel fee.

BIOL 370 Field Biology (3-3-4), summer, odd years. Sampling methods and field techniques applicable to the biota of the southwest. Collection, identification, and natural history including soils, geology, population and community analysis and dynamics. Laboratory graded and credited with the course. Special travel fee.

BIOL 380 General Mammalogy (3-3-4), spring, even years. Principles of ecology, evolution, classification, biogeography, economic importance, and conservation of mammals. Laboratory graded and credited with the course. Prerequisite: BIOL 221/223 or 222/224. Special travel fee.

BIOL 399 Biology Research (3-0-3)*, fall. Students perform biological research under the supervision of a faculty member for 1-3 credit hours. A poster or presentation suitable for presentation at a scientific meeting or paper incorporating results of the research, written in the format of scientific publications, is required for completion of the course. Special laboratory fee. Prerequisite: Instructor approval.

BIOL 400 Secondary Science Teaching Methods (3-0-3), fall, spring. A study of teaching strategies and curriculum development for the secondary sciences. Presents the Texas Essential Knowledge and Skills, College and Career Readiness Standards, and classroom management and discipline for the science laboratory environment. Must be taken concurrently with EDUC 412 and 432. Should be taken before student teaching. Prerequisite: 16 hours of science from appropriate secondary science teaching degree plan. Same as CHEM 401, PHYS 401.

BIOL 403 Marine Biology (3-3-4), spring, odd years. A field course in Florida or Honduras. A study of the open ocean and the intertidal zones. Prerequisite: Consent of instructor. Laboratory graded and credited with the course. Special travel fee; out of town travel. Prerequisite: BIOL 362.

BIOL 448 Biology of Aging (3-0-3), summer. Survey of the human anatomy and physiology with implications of normal and abnormal age-related changes. Same as GER 448/548.

BIOL 454 Immunology (3-0-3), fall. The cellular and molecular mechanisms inherent in immunology. Prerequisite: BIOL 312.

BIOL 472 Biochemistry I (3-0-3), fall. Discusses the chemistry, structural aspects, and properties of amino acids, peptides, proteins, vitamins, carbohydrates, lipids, and nucleic acids. Prerequisite: CHEM 324. Same as CHEM 453.

BIOL 475 Molecular Genetics (3-0-3), spring. A study of the molecular interactions that take place during mitosis, meiosis, cell activation and inactivation, gene activation and inactivation, transcription, reverse transcription, translation, organelle synthesis and formation, morphogenetic cell movement, membrane synthesis. Prerequisite: BIOL 312 or CHEM 454 or BIOL 472 or concurrent enrollment.

BIOL 476 Biotechnology Laboratory (0-6-2), spring. Explores the advancement of recombinant DNA technology. Experimental tasks include isolation, amplification, mapping, sequencing, cloning and fingerprinting of DNA, genome analysis, genetic testing, cell culture, and antigen detection. Prerequisite: BIOL 312.

BIOL 480 Histology (2-3-3), spring. Detailed microscopic anatomy of the tissues and organs of higher vertebrates. Laboratory graded and credited with the course. Prerequisite: BIOL 312.

BIOL 481 Plant Systematics (3-3-4), spring, even years. Introduction to the principles and methods of biological classification with emphasis on the local flora. Field and laboratory work consist of collection and identification of plant specimens and phylogenetic analysis of plant DNA. Laboratory graded and credited with the course. Prerequisites: BIOL 112/114 and BIOL 113/115.

BIOL 483 Biostatistics (3-0-3), spring, even years. An introduction to experimental design, including common techniques in descriptive and inferential statistics.

BIOL 484 Developmental Biology (3-0-3), spring, odd years. A study of molecular events which begin with meiosis and fertilization and continue through the development and growth of the human embryo and fetus. Prerequisite: BIOL 312.

BIOL 491 Human Anatomy (3-0-3), spring. Human biology, stressing morphology of the body using a systemic and regional approach. Prerequisites: BIOL 112/114 and BIOL 113/115. Concurrent enrollment in BIOL 493 required.

BIOL 492 Physiology (3-0-3), fall, on demand. Study of normal functional needs and environmental challenges of vertebrates and
invertebrates. Lecture may be taken without the lab. Prerequisites: BIOL 112/114 and BIOL 113/115.

BIOL 493 Human Anatomy Laboratory (0-3-1), spring. Laboratory study of the human body using visualization and dissection. Concurrent enrollment in BIOL 491 required.

BIOL 495 Physiology Laboratory (0-3-1), fall, on demand. Laboratory investigation of animal function including measurements and data collection. Prerequisites: BIOL 112/114 and BIOL 113/115.

BIOL 497 Seminar in Biology (3-0-3), fall, spring, Maymester, on demand. Discussions where students critically analyze, reflect, and write about biology from the perspective of a Christian Worldview. Prerequisite: Senior year biology major or health professions concentration. A capstone and writing-intensive course.

BIOL 498 Cancer Biology (3-0-3), fall. Exposes students to all aspects of cancer studies including cancer causation, pathology, epidemiology, genetics, metastasis, detection, treatments and preventions. The biology of cancer cells is emphasized and analyzed at the molecular level with the introduction of classical and modern experimental details. Prerequisite: BIOL 312.

BLAW - BUSINESS LAW
Department of Management Sciences (COBA)

BLAW 363 Legal Environment of Business (3-0-3), fall, spring. Study of court system, sources of law, contracts, property, and regulation of business. Prerequisite: 48 earned hours.

BLAW 461 Business Law II (3-0-3), spring. Case studies of creditor's rights, business organizations, property, and trade regulation. Prerequisite: ACCT 310, with a grade of "C" or better.

BMFT - MARRIAGE AND FAMILY THERAPY
Department of Marriage and Family Studies (CBS)

BMFT 601 Pre-Internship (3-0-3), fall. Combined practicum and lecture format. Students gain counseling experience through role-playing with each other. Emphasis is placed on basic counseling skills as well as awareness of students' own family of origin. Prerequisite: Admission to the MFT program.

BMFT 602 MFT Internship I (3-0-3), spring. Supervised practice in marriage and family therapy. Emphasis on a wide variety of experience. Prerequisite: Admission to the MFT program. Same as BMFT 603, 604, 605.

BMFT 603 MFT Internship II (3-0-3), fall.

BMFT 604 MFT Internship III (3-0-3), spring.

BMFT 605 MFT Internship IV (3-0-3), summer.

BMFT 610 Couples Therapy (3-0-3), fall. An introduction to the theories and techniques of marriage and family therapy as applied to the work of those persons who deal primarily with couples.

BMFT 615 Research Methods & Family Therapy (3-0-3), spring. This course will introduce students to both quantitative and qualitative research methodologies utilized in marriage and family therapy research. Students will critique the use of these methodologies and engage in making research decisions as they design their own research proposal. Students will understand ethical issues in conducting research with human subjects and be introduced to data analysis procedures.

BMFT 634 Addictive Disorders (3-0-3), fall. Designed to address the spectrum of addictive disorders (chemicals, relationships, food and sex) with the focus on the biological, social and psychological aspects of the addictive process. Emphasis will include diagnosis and treatment strategies from a systemic perspective.

BMFT 639 Family Theory/General Systems Theory (3-0-3), fall. A comprehensive exploration of theory in family studies and therapy. The role of theory in empirical investigation, conceptual framework, and strategies of theory building useful in the interdisciplinary study of marriage and family behavior will be examined.
BMIS - MISSIONS
College of Biblical Studies (CBS)

BMIS 245 Understanding Culture for Global Service (3-0-3), fall. This course will help students develop a theology of culture, to learn how to understand a culture through studying cultural subsystems. They will learn the skills of participant observation, and be able to read a culture in order to facilitate presenting the good news. May not be used to complete a Bible requirement in the University Core. Prerequisites: BIBL 101, 102 (or 103), and BIBL 211.

BMIS 270 Living the Mission (3-0-3), fall. This course examines the history of missions from the establishment of the church to the present. It is designed as an introductory course for missions majors, minors, and certificates as they enter into this field of study, but has relevance for anyone desiring an increased knowledge of missions.

BMIS 371 Religion in Global Contexts (3-0-3), fall. This course explores the changing significance of religion in the world. The course familiarizes students with the major anthropological and sociological debates on religion, secularism, and global modernity; acquaints students with methodological approaches to the study of religion; and equips students to address thoughtfully and faithfully various religious practices from a Christian perspective. Prerequisites: BIBL 101, 102 (or 103), and BIBL 211.

BMIS 391 Service in Global Contexts (3-0-3), spring. This course is designed to prepare students for international service by focusing upon critical thinking, global orientation and missional vision. More specifically this course equips students for short-term missions and facilities their reflection on that same work. Prerequisites: BIBL 101 or BIBL 103 or either concurrently.

BMIS 420 Gospel in a Multicultural World (2-4-3), fall, spring. This course enables students to develop a theology of mission by looking at the biblical basis of mission and sharpening their understanding of the gospel. Students will grapple with the challenge of interpersonal identification and models of communication. Students will explore methods of planting meaningful communities of faith in various cultural contexts. Prerequisites: Sophomore standing; BIBL 101, 102 (or 103) and BIBL 211.

BMIS 421 Mission as Spiritual Formation (3-0-3), on demand. This course acknowledges that spiritual formation is at the heart of God's mission. God first transforms people and then works through them to share the gospel that transforms others. The student will engage the process of individual and community spiritual formation and will explore what Christian spiritual formation has to share with and learn from other cultures, religious faiths, and faith traditions. Prerequisites: Sophomore standing; BIBL 101 and 102 (or 103) and BIBL 211.

BMIS 458 Focused Training in Missions (3-0-3), on demand. A variety of specialized studies will provide essential training in topics such as indigeneity, team missions, appropriate technology, emerging church models, communicating with non-literate, local language, community development, poverty, human trafficking, human migration, and/or social justice. Prerequisites: Sophomore standing; BIBL 101, 102 (or 103) and BIBL 211. May be repeated.

BMIS 481 Inner City Missions (3-0-3), on demand. Examines the biblical teaching about cities and the practical difficulties encountered in urban settings. Particular attention (both theoretical and practical) is given to issues of race, justice and poverty. Prerequisites: BIBL 101, 102, 211.

BMIS 610 Evangelism in North America (3-0-3), on demand. Lays foundations for effective outreach by North American churches. Culture and the gospel are examined with a view to discerning specific contemporary approaches that may be used to communicate Christian truth clearly in the North American context.

BMIS 619 Church and Mission (3-0-3), fall. Focuses on understanding the relationship of the church to the mission of God in the world and applying that understanding to actual contexts. Explores biblical, theological, and historical themes. Considers and analyzes of specific ecclesial practices that lend themselves to contextual and missional innovation.

BMIS 621 Fundamentals of Spiritual Nurture (3-0-3), on demand. Vital Christian task of spiritual guidance beginning with early faith and leading to mature, active discipleship.

BMIS 633 Leadership Training (3-0-3), summer. The study of leadership training methods. The student will write and test an extension module of study material.

BMIS 645 Missionary Anthropology (3-0-3), on demand. Similarities and diversities of human cultures designed to equip missionaries to communicate cross-culturally.

BMIS 646 Foundations of Missional Practice (3-0-3), on demand. The biblical basis of missions, the nature of interpersonal identification, the concept of culture, models of communication, methods of church planting and maturation, linguistics, and field selection.

BMIS 647 Readings in Contextual Theology (3-0-3), spring. Probing the reciprocal effects of culture and Christianity so that the missionary will refrain from absolutizing for all people everything that seems hermeneutically valid within his own society.

BMIS 648 Planting and Developing Churches (3-0-3), fall. A survey of the important administrative, anthropological, methodological, and theological issues for establishing responsible, reproducing churches in another culture.

BMIS 649 Reading and Engaging Contemporary Cultures (3-0-3), summer. Provides an overview of the theory and history of anthropology, including an in-depth investigation of the notion of culture. Students will engage in critical reflection on the use of anthropological theory for praxis in global context.

BMIS 650 Leadership in Intercultural Contexts (3-0-3), spring. Leadership in Intercultural Contexts analyzes Christian leadership practices in intercultural contexts.

BMIS 652 Developing New Churches in North America (3-0-3), on demand. Equips students to develop a biblically-informed, comprehensive, and effective plan for planting new churches in selected areas of North America.

BMIS 653 Growth Strategies for Established Churches (3-0-3), on demand. Gives students conceptual models and practical tools to facilitate leadership in church growth among established congregations.

BMIS 669 Introduction to Linguistics (2-1-3), summer. The science of language with the emphasis varying with the needs and aims of the class.

BMIS 670 Cross-Cultural Communication (3-0-3), summer. Various communication topics of vital interest to prospective missionaries such as perceptions and stereotypes, culture and personality, language and culture, as well as mass media and intercultural communication.

BMIS 671 Supervised Research in Missions (0-0-3), on demand. A faculty-supervised research project tailored to the specific needs of the student.

BMIS 672 Religion in Global Contexts (3-0-3), fall. Aspects of religion - conceptual, ritual, personal and social - from the perspective of the living world religions in order to gain a greater skillfulness in approaching the non-Christian.

BMIS 673 History of Missions (3-0-3), summer. The expansion of Christianity from Pentecost to the present with special attention given to the positive and negative influences in the spread of the Good News.

BMIS 675 Theology of Mission (3-0-3), fall. The development of a biblically accurate and missiologically sound foundation for mission to ensure that the messengers of God will return with an abundant harvest from the ripe fields among the tribes and cities of the world.
BMIS 680 Urban Missions (3-0-3), summer. Explores the theology, anthropology, and missiology of urban evangelism and community development with particular emphasis on the poor and the lifestyle required to reach them.

BMIS 689 Folk Religions and New Spiritualities (3-0-3), on demand. A study of personal spiritual beings (whether spirits, ancestors, or demons) as well as non-personal spiritual forces (magic and witchcraft) and their power to control human affairs.

BMIS 697 Intercultural Competence for Global Service (3-0-3), on demand. How worldview presuppositions explicitly and implicitly shape culture. Employs the Christian minister to clearly and critically analyze this or her own worldview and that of his or her audience in light of a biblical theology in order to avoid syncretism and to effect God-desired worldview transformations.

BMIS 699 Master's Thesis (0-0-6).*

**BUSINESS ADMINISTRATION**

Department of Management Sciences (COBA)

BUS 120 Introduction to Business (3-0-3), fall, spring. A broad preview of business and entrepreneurial thinking. Topics include accounting, finance, information systems, management and marketing.

BUS 419 International Business (3-0-3), fall, spring. Examines the enterprise as it functions in and relates to the international environment. It begins with the history and theory of international trade, studies each business discipline in a global setting, and ends with a section on trends and strategies employed by major global corporations. Prerequisites: FIN 310; MGMT 330; MKTG 320, all with a grade of "C" or better. May be used to satisfy University Requirements.

BUS 435 Christian Business Leadership Perspectives (3-0-3), spring. Examines God's call to leadership for Christian persons. Perspectives on leadership are drawn from the Bible, business, and popular literature. The learning approach includes guest speakers, individual study, group study, case analysis, and a critical examination of spiritual leadership issues. Special fee required. Prerequisite: 60 earned hours. Travel course.

**CHEM - CHEMISTRY**

Department of Chemistry and Biochemistry (CAS)

CHEM 101 Consumer Chemistry (3-0-3), on demand. A study of chemistry's influence on consumers, the environment, and society with emphasis on grasping the beauty and order of the Creator's handiwork and on equipping citizens for more informed decisions. May be used to satisfy Science University Requirements. Not for majors in the Department of Chemistry and Biochemistry.

CHEM 111 Introductory Chemistry Laboratory (1-2-1), fall. Introduction to measurement and observation. Activities coordinate with topics discussed in CHEM 113. Emphasis given to quantitative measurements and interpretation of data. Prerequisite: CHEM 113 or concurrent enrollment. Not for majors in the Department of Chemistry and Biochemistry. May be used to satisfy University Requirements.

CHEM 112 Introductory Organic and Biological Chemistry Laboratory (1-2-1), spring. Continuation of CHEM 111. Activities coordinate with topics discussed in CHEM 114. Study of calorimetry; chemistry of organic compounds and functional groups. Prerequisites: CHEM 111; CHEM 114 or concurrent enrollment. Not for majors in the Department of Chemistry and Biochemistry. May be used to satisfy University Requirements.

CHEM 113 Introductory Chemistry (3-0-3), fall. Fundamental concepts of atomic structure; chemical reactions of acids, bases, and salts; behavior of solids, liquids, and gases; and solutions are presented to students of nursing and agriculture. Can be credited without CHEM 111. Prerequisite: ACT math score of 21 or above, or SAT math score of 550 or above, or credit for MATH 120 or above. Not for majors in the Department of Chemistry and Biochemistry. May be used to satisfy University Requirements.

CHEM 114 Introductory Organic and Biological Chemistry (3-0-3), spring. Continuation of CHEM 113. Study of organic compounds of carbon: hydrocarbons and those functional groups of importance to living systems. Biochemistry of carbohydrates, fats and proteins. Can be credited without CHEM 112. Prerequisite: CHEM 113. Not for majors in the Department of Chemistry and Biochemistry. May be used to satisfy University Requirements.

CHEM 131 General Chemistry Laboratory I (1-3-1), fall. Standard laboratory equipment is used to collect and interpret data. Experiments include determination of molecular formula, solution concentration and chemical reactivity. Prerequisite: CHEM 133 or concurrent enrollment. May be used to satisfy University Requirements.

CHEM 132 General Chemistry Laboratory II (1-3-1), spring. Continues to explore practical application of chemistry. Spectrophotometers and pH meters are used to study chemical equilibrium. Qualitative analysis is also introduced. Prerequisite: CHEM 134 or concurrent enrollment. May be used to satisfy University Requirements.

CHEM 133 General Chemistry I (3-0-3), fall. Fundamental principles of chemistry including the structure of matter, stoichiometry, periodicity, bonding, and reactivity. Prerequisite: CHEM 131 or concurrent enrollment; and MATH 109 with minimum grade of "C", or MATH 124, or MATH 185, or COMPASS placement into MATH 124 or 185. May be used to satisfy University Requirements.

CHEM 134 General Chemistry II (3-0-3), spring. Continues with basic chemical concepts including thermodynamics, equilibrium, and electrochemistry. Prerequisites: Grade of "C" or better in CHEM 133 (or credit by exam) and CHEM 132 or concurrent enrollment. May be used to satisfy University Requirements.

CHEM 203 General Science for Elementary Teachers (3-2-4), fall, spring. Presents the fundamental principles of chemistry, physics, geology, astronomy, meteorology, and biology on a practical basis for elementary teachers. The course includes experiments and demonstrations that are pertinent to the teaching of science at the elementary level. For education majors only.

CHEM 211 Organic Chemistry Laboratory I (1-3-1), fall, most summers. Emphasizes separation and synthesis: techniques of recrystallization, distillation, solvent extraction, organic preparation, separation of mixtures by gas vapor chromatography, and polarimetry. Prerequisite: CHEM 223 or concurrent enrollment.

CHEM 223 Organic Chemistry I (3-0-3), fall, most summers. Presents the structure, nomenclature, and properties of alkanes, alkyl halides, organometallic compounds, alcohols, ethers, amines, and alkenes. Includes chemical bonding, resonance, stereochemistry, and reaction mechanisms. Prerequisites: A grade of “C” or better in CHEM 134; and CHEM 221 or concurrent enrollment.

CHEM 243 Elementary Biochemistry and Nutrition (3-0-3), fall. A more extensive coverage of the chemistry and metabolic pathways of biologically important molecules (carbohydrates, lipids, proteins, and nucleic acids) with emphasis on nutrition. Prerequisite: CHEM 114. Not for majors in the Department of Chemistry and Biochemistry.

CHEM 308 Global Healthcare (3-0-3), Summer, even years. A study of healthcare delivery systems, quality of healthcare, and the impact of socioeconomic factors and culture on the delivery of healthcare through readings, discussion and interviews. Field experience will be gained through service-learning activities and observation within a medical community. Co-requisite: Participation in required shadowing, observation, and service components. Prerequisite: Sophomore standing. Same as BIOL 308, COMP 308. May be used to satisfy University Requirements.

CHEM 322 Organic Chemistry Laboratory II (1-3-1), spring, most summers. Follows with synthesis and analysis: organic synthesis and the systematic identification of unknown organic compounds by using the classical scheme of organic qualitative analysis and infrared and
CHEM 324 Organic Chemistry II (3-0-3), spring, most summers. Continues with the structure, nomenclature, and properties of benzene, substituted benzenes, aldehydes, ketones, carboxylic acids, derivatives of carboxylic acids, amines. Includes spectroscopy and reaction mechanisms. Prerequisite: A grade of "C" or better in CHEM 223.

CHEM 333 Physical Chemistry I (3-4-4), fall, even years. Thermodynamics and its application to systems at equilibrium, including chemical and phase equilibrium, solutions and colligative properties, ideal and real gases, and others. Prerequisites: CHEM 223 or concurrent enrollment; MATH 186; PHYS 112 or 122.

CHEM 334 Physical Chemistry II (3-4-4), spring, odd years. Kinetic-molecular theory, transport processes such as diffusion and viscosity, rates of reactions (chemical kinetics), quantum mechanics, spectroscopy, and statistical mechanics. Prerequisite: CHEM 333 or consent of instructor.

CHEM 341 Environmental Chemistry (3-0-3), on demand. The chemical materials, reactions, and processes associated with air, water, and soil pollution, including effects on human, animal, and plant health. Topics include stratospheric ozone, global warming, acid rain, smog, indoor air pollutants, organic and inorganic water and soil contaminants, soil and water pH, effects of energy production, and others. Prerequisites: CHEM 322, 324.

CHEM 355 Analytical Chemistry I (3-4-4), fall. Emphasizes the basic theoretical principles, calculations and methods of electrochemical and volumetric analyses and various analytical separation methods. Laboratory involves neutralization and oxidation-reduction titrations, potentiometry, electrogravimetry, cyclic voltammetry and use of gas, column, thin layer, and high performance liquid chromatography to analyze chemical samples. Laboratory graded and credited with the course. Prerequisites: CHEM 322, 324.

CHEM 356 Analytical Chemistry II (3-4-4), spring. Integrated lecture/laboratory course emphasizing qualitative and quantitative analyses based on light, including UV-visible absorption, atomic absorption, fluorescence and phosphorescence, and plasma emission methods and the use of mass spectrometry, multi-nuclear magnetic resonance spectroscopy and infrared spectroscopy in the elucidation of structures for chemical compounds. Laboratory graded and credited with the course. Prerequisites: CHEM 322, 324.

CHEM 375 Molecular Modeling and Computational Chemistry (3-0-3), spring. An introduction to molecular modeling of organic, inorganic, and biologically important molecules using desktop computers. Includes building and animating 3-D models, energy minimization, molecular dynamics, docking and overlaying, analysis of symmetry and bonding in molecules and crystals, and prediction of reactivity. Prerequisite: CHEM 324.

CHEM 393 Introduction to Research (0-9-3).* fall, spring, summer. Students carry out an experimental investigation related to the research interest of a faculty member for 1-3 credit hours. A paper incorporating results of the research work, written in the format of published journal articles, is required for completion of the course. Prerequisite: Consent of instructor.

CHEM 401 Secondary Science Teaching Methods (3-0-3), fall, spring. A study of teaching strategies and curriculum development for the secondary sciences. Presents the Texas Essential Knowledge and Skills, College and Career Readiness Standards, and classroom management and discipline for the science laboratory environment. Must be taken concurrently with EDUC 412 and 432. Should be taken before student teaching. Prerequisite: 16 hours of science from appropriate secondary science teaching degree plan. Same as BIOL 401, PHYS 401.

CHEM 413 Physical Chemistry/Life Sciences (3-0-3), spring. Introduces the fundamentals of physical chemistry applied to biological systems. Includes thermodynamics, bioenergetics, chemical equilibria, kinetics, enzyme catalysis and inhibition of living systems. Prerequisites: CHEM 324; MATH 124 or higher.

CHEM 423 Chemistry and Biochemistry Seminar (3-0-3), fall, spring. Use of the chemical literature, both paper and electronic, as well as student presentations of one or more seminars to improve technical communication skills. Prerequisite: Junior or senior standing. For majors only. A capstone and writing-intensive course.

CHEM 441 Inorganic Chemistry Laboratory (1-3-1), spring, even years. Techniques and methods for synthesizing and characterizing inorganic compounds. Also introduces crystal structure and crystal growth. Prerequisite: CHEM 443 or concurrent enrollment.

CHEM 443 Inorganic Chemistry (3-0-3), spring, even years. Covers the chemistry of all elements with special attention given to transition metals. Molecular structure and bonding are described in detail. May be credited without CHEM 441 with consent of instructor. Prerequisites: CHEM 324; MATH 124 or higher.

CHEM 453 Biochemistry I (3-0-3), fall. Discusses the chemistry, structural aspects, and properties of amino acids, peptides, proteins, vitamins, carbohydrates, lipids, and nucleic acids. Prerequisite: A grade of "C" or better in CHEM 324. Same as BIOL 472.

CHEM 454 Biochemistry II (3-0-3), spring. Presents the bioenergetics and metabolism of carbohydrates, lipids, proteins and nucleic acids with emphasis on the role of vitamins and hormones. Prerequisite: A grade of "C" or better in CHEM 453.

CHEM 463 Biochemistry Laboratory I (0-4-1), fall. Practical experience and theoretical background in general biochemistry laboratory techniques and techniques for the analysis of protein structure and function. Prerequisite: CHEM 453 or concurrent enrollment.

CHEM 464 Biochemistry Laboratory II (0-4-1), spring. Practical experience and theoretical background in general biochemistry laboratory techniques, enzyme purification and analysis and in recombinant DNA analysis. Prerequisites: CHEM 453 and CHEM 463.

CHEM 483 Polymer Chemistry (3-0-3), on demand. Presents fundamental chemical study of the structure and properties of the general classes of high polymers, including synthesis and mechanism of formation. Prerequisite: Senior standing or consent of instructor.

COMM - COMMUNICATION

Department of Communication and Sociology (CAS)

COMM 136 Debate Workshop (1-3-1), fall, spring. Students will study the current national debate questions and will prepare for intramural and intercollegiate debating. Requires three hours per week and may be repeated for six semester hours maximum credit.

COMM 211 Speech and Rhetoric (3-0-3), fall, spring, summer. Develops public speaking knowledge, skills, and attitudes through the interaction of rhetorical theory, practice, and analysis. Prerequisites: ENGL 111, ENGL 112. May be used to satisfy University Requirements.

COMM 222 Discussion, Dissent and Debate (3-0-3), fall. A study of argument and refutation as applied to the debate situation. Emphasis is upon research, analysis, writing of argumentative briefs, and actual debating. Prerequisite: COMM 211 or permission of instructor.

COMM 236 General Communication Theory (3-0-3), spring. Introduces students to the essential features of current communication theories dealing with interpersonal, organizational, small group, public, intercultural, and gender, to establish a framework that will provide a context for each theory and show interrelationships among them.

COMM 331 Small Group Communication (3-0-3), spring, summer. Training in the principles and practices of small group communication including practice with learning situations and problem-solving situations.
COMM 341 Interpersonal Communication (3-0-3), spring, summer. Skills and theory of interpersonal relationships, including marriage, family, and work. Deals with communication variables that influence dyads.

COMM 343 Business and Professional Communication (3-0-3), fall, spring, summer. A course designed to apply communication theory to the solving of business or professional interpersonal problems. Stresses systems theory adapted to organizational structure, interviewing and conference techniques, as well as public speaking in professional settings. Prerequisite: COMM 211.

COMM 345 Intercultural Communication (3-0-3), fall, spring, summer. Stresses understanding of contrasting cultures and ways of communicating with individuals and groups from around the world as well as subcultures within the United States. May be used to satisfy University Requirements.

COMM 375 Persuasion (3-0-3), spring. Includes theories and principles of communication useful in a number of contexts where individual or group change is important.

COMM 376 Family Communication (3-0-3), fall, spring. An in-depth analysis of communication theory and research related to the family.

COMM 383 Communication in Multi-National Organizations (3-0-3), spring. Designed to introduce students to intercultural communication strategies applied to information needs and human resource management in multinational organizations.

COMM 384 Interview Communication (3-0-3), fall. Theory and practice of communication in the interview process. Class experiences include formal (employment, appraisal) and informal (informing, persuading) interview activities. Prerequisite: COMM 211.

COMM 392 Rhetoric of Pop Culture (3-0-3), fall. The course is designed to teach students the basics of rhetorical analysis and criticism as they relate to understanding and evaluating contemporary pop culture.

COMM 408 Crisis Management in Organizations (3-0-3), fall. Examines the theory and practice of crisis management in organizations from both social science and rhetorical perspectives. Using a case study approach and best practices for crisis management, students explore how to use communication to prevent, mitigate, and learn from crises in a way that benefits both organizations and stakeholders.

COMM 415 Political Communication (3-0-3), fall, even years. Develops knowledge of theory, practice, analysis and research that will help students become better consumers of political messages as well as prepare students who intend to work in politics. Graduate students will design and conduct research on the current campaign and analyze the results. Focus is on rhetorical construction rather than the political process. Prerequisite: Advanced standing.

COMM 421 Leadership and Communication (3-0-3), fall, spring. The study of leadership emerging from communication skills, personal traits, group and historical situations. Special focus on small group and organizational leadership.

COMM 430 Conflict Management (3-0-3), fall, spring, summer. Develops conflict management knowledge and skill competencies through an interaction of theory, practice, and analysis. Among the instructional methods to be used are lectures, case studies, small groups, and conflict instruments.

COMM 436 Nonverbal Communication (3-0-3), spring, summer. Theory and practice of nonverbal communication in relation to behaviors in numerous contexts and human interactions.

COMM 450 Gender Communication (3-0-3), spring. Explores the role of gender in communication processes including both physical and psychological dimensions. Topics include: role; perceived/actual differences in verbal/nonverbal communication behaviors; influence of gender in contexts such as family, school, and work organizations; and a discussion of media influence in creating/maintaining gender stereotypes. Prerequisite: Advanced standing.

COMM 483 Advanced Public Speaking (3-0-3), fall. In-depth practice and principles of various public speaking situations. Prerequisite: COMM 211.

COMM 485 Organizational Communication (3-0-3), fall, spring. The theory and function of communication within business, government, hospitals, schools, industrial firms, and other organizations, with emphasis on concepts and principles for effective information management. Prerequisite: Advanced standing.

COMM 486 Training and Development (3-0-3), spring. The theory and skills involved in doing human resource training in organizations. Provides knowledge, skills, and experience in developing, presenting, and evaluating training programs.

COMM 491 Rhetorical Theory (3-0-3), spring. Speakers and speeches of the ancient world, with historical background. Emphasis on rhetorical theories developed in Greek and Roman public address, as well as recent approaches to rhetorical situations. Will substitute for ENGL 329. A writing-intensive course.

COMM 499 Communication Internship (3-0-3), fall, spring, summer. Guided internship with seminar designed to place students in evaluative field experiences to utilize and test communication theory and practice. Prerequisites: Senior status and consent of instructor. A capstone course.

COMM 508 Crisis Management in Organizations (3-0-3) fall. Examines the theory and practice of crisis management in organizations from both social science and rhetorical perspectives. Using a case study approach and best practices for crisis management, students explore how to use communication to prevent, mitigate, and learn from crises in a way that benefits both organizations and stakeholders.

COMM 515 Political Communication (3-0-3), fall, even years. Develops knowledge of theory, practice, analysis and research that will help students become better consumers of political messages as well as prepare students who intend to work in politics. Graduate students will design and conduct research on the current campaign and analyze the results. Focus is on rhetorical construction rather than the political process. Prerequisite: Advanced standing.

COMM 521 Leadership and Communication (3-0-3), fall, spring. The study of leadership emerging from communication skills, personal traits, group and historical situations. Special focus on small group and organizational leadership.

COMM 536 Nonverbal Communication (3-0-3), spring, summer. Theory and practice of nonverbal communication in relation to behaviors in numerous contexts and human interactions.

COMM 543 Business and Professional Communication (3-0-3), fall, spring, summer. A course designed to apply communication theory to the solving of business or professional interpersonal problems. Stresses systems theory adapted to organizational structure, interviewing and conference techniques, as well as public speaking in professional settings.

COMM 545 Intercultural Communication (3-0-3), fall, spring, summer. Stresses understanding of contrasting cultures and ways of communicating with individuals and groups from around the world as well as subcultures within the United States.

COMM 550 Gender Communication (3-0-3), spring. Explores the role of gender in communication processes including both physical and psychological dimensions. Topics include: role; perceived/actual differences in verbal/nonverbal communication behaviors; influence of gender in contexts such as family, school, and work organizations; and a discussion of media influence in creating/maintaining gender stereotypes.

COMM 575 Persuasion (3-0-3), spring. Includes theories and principles of communication useful in a number of contexts where individual or group change is important.

COMM 583 Communication in Multi-National Organizations (3-0-3), spring. Designed to introduce students to intercultural
communication theories applied to information needs and human resource management in multinational organizations.

COMM 585 Organizational Communication (3-0-3), fall, spring. The theory and function of communication within business, government, hospitals, schools, industrial firms, and other organizations, with emphasis on concepts and principles for effective information management.

COMM 586 Training and Development (3-0-3), spring. The theory and skills involved in doing human resource training in organizations. Provides knowledge, skills, and experience in developing, presenting, and evaluating training programs.

COMM 620 Quantitative Methods (3-0-3), fall. Emphasis on the scientific method, survey research, laboratory research, sampling procedures, questionnaire construction, and interviewing techniques.

COMM 621 Qualitative Research Methods (3-0-3), spring. This course introduces graduate students to qualitative research methods. Students will understand the philosophical and ethical foundations of qualitative research, learn to identify research problems, generate research questions, develop a research design, collect and analyze data, and report findings.

COMM 631 Leading Organizational Change (3-0-3), spring. This course introduces students to the concept of the learning organization, equipping them with skills to create educational strategies for organizational change, and preparing them to reflect ethically on the implications of organizational change.

COMM 636 Seminar in Communication Theory (3-0-3), fall. Major concepts of theory and research in the areas of verbal and nonverbal interaction, meaning, information, persuasion, interpersonal, group and organizational communication.

COMM 641 Seminar in Interpersonal Communication (3-0-3), on demand. Explores theory and variables from the body of scientific literature dealing with interpersonal communication.

COMM 642 Seminar in Communication (3-0-3). Various problems and concepts in communication. May be repeated with different content for a total of nine hours. May be repeated.

COMM 675 Seminar in Persuasion and Social Change (3-0-3), fall. Processes, theories and strategies by which group, organizational and cultural persuasion occurs by emphasizing diffusion of innovation strategies.

COMM 683 Cultural Case Studies (3-0-3), on demand. Analysis of several intercultural encounters between U.S. citizens and foreigners in the latter's cultural setting. Application of principles of cross-cultural involvement.

COMM 685 Seminar in Organizational Communication (3-0-3), spring, even years. Current research that seeks to explain, interpret and analyze communication within public and private organizations.

COMM 686 Communication Consulting and Assessment (3-0-3), on demand. Methods used in assessing communication behavior in organizations, preparing intervention techniques, and evaluating communication effectiveness.

COMM 687 Principles of Rhetorical Criticism (3-0-3), spring. Methodology course covering the different rhetorical theories used for criticism of either single rhetorical events or campaigns combining several symbolic events.

COMM 697 OD Capstone (3-0-3), fall, spring, summer. Provides a culminating, student-centered experience in which students analyze, synthesize, and apply knowledge and skills from across their program to demonstrate mastery of the OD Learning Outcome and Competencies. Prerequisite: Student must have 30 hours of the degree plan successfully complete. A capstone course.

COMM 698 Research Project Thesis Equivalent (0-0-6).* To be presented with departmental approval, in lieu of the traditional thesis.

COMM 699 Master's Thesis (0-0-6).* May be repeated.
COMP 609 Advanced Audiology (3-0-3), on demand. Advanced instruction in audiological assessment and interpretation.


COMP 613 Dysphagia and Related Disorders (3-0-3), spring. An in-depth study of the anatomy and physiology of normal swallowing and the nature and characteristics of swallowing disorders including methods of evaluation and management in children and adults with consideration of medical conditions and other complicating factors associated with dysphagia.

COMP 620 Communication Research Methods (3-0-3), fall. Emphasis on the scientific method, survey research, laboratory research, sampling procedures, questionnaire construction and interviewing techniques.

COMP 659 Seminar in Diagnostic and Therapeutic Theory in Speech Pathology (3-0-3), fall. Studies in a specialized area of speech pathology, evaluation of diagnostic and therapeutic literature. May be taken more than one semester for maximum of six hours.

COMP 661 Special Problems in Speech Pathology and Audiology (3-0-3), fall. In-depth study of various problems, concepts and subjects in speech pathology and audiology. May be taken more than one semester for maximum of six hours.

COMP 670 Seminar in Speech Pathology (3-0-3), fall, spring. Evaluation of the theoretical and experimental research literature in speech pathology on various topics. May be taken more than one semester for maximum of six hours.

COMP 693 Clinical Practicum (2-2-3), fall, spring, summer. Experience in clinical procedures in speech language pathology. Designed to familiarize the student with treatment procedures through clinical experience in speech-language pathology under close supervision. May be repeated. Prerequisite: COMP 356. Admission to the CSD program required.

CONR - CONFLICT RESOLUTION

CONR 601 Conflict Theory and Communication (3-0-3). Designed to prepare professionals for the field of conflict resolution. Provides advanced opportunities to analyze case studies, critique basic assumptions of conflict theories and role-play appropriate behavior in conflict scenarios.

CONR 605 Negotiation and Mediation (6-0-6). Comprehensive study of the conceptual and interpersonal skills required to engage in effective negotiation and mediation. Topics include analysis of conflict, negotiation and mediation planning, effective negotiation and mediation skills and process, impasse resolution, and agreement documentation. Emphasis on skill development and strategic approach to creating opportunity for agreement.

CONR 610 Managing Conflict in the Workplace (3-0-3). Designed to prepare professionals for conflict resolution in the work environment. Provides opportunities to develop skills in identifying the signs and root causes of friction, anger, violence and conflict. Analysis of case studies provides the framework for understanding sources of organizational conflict.

CONR 612 Conflict Management Systems Design (3-0-3). Provides a framework for understanding organizational conflict prevention and resolution systems. Analysis of case studies and practical application are featured throughout the course. Prerequisite: CONR 605.

CONR 615 Managing Conflict in the Schools (3-0-3). Provides a basic understanding of the nature and management of conflict in schools. Students will learn to identify and deal with conflict through appropriate strategies, processes, and interpersonal skills.

CONR 617 Conflict Resolution in the Church (3-0-3), spring. This course will offer an examination of the causes, arenas, and dynamics of
conflict in churches with an introduction to conflict management and practice. A variety of instructional methods, including lectures, case studies, role plays, media, expert resource persons, and personal style instruments will be employed.

**CONR 630 Advanced Mediation: Marital Disputes (3-0-3)**. Applies the concepts of negotiation and mediation to the resolution of conflicts which arise during and after termination of a marital relationship. Prerequisite: CONR 605.

**CONR 635 Identity, Culture and Conflict (3-0-3)**. Examines self and social contexts in which people with incompatible goals, assumptions, and behaviors conflict because of cultural differences. Proposes intercultural competence as an approach for managing cultural conflict from differences in cultural patterns and variables, problem perspectives of self and identity, and differences of race, gender, and class.

**CONR 637 Dispute Resolution and the Legal System (3-0-3)**. Introduces students to a variety of legal traditions, including natural, Talmudic, Islamic, civil, Hindu, Asian, and common law, with emphasis on the United States legal system. The course specifically places alternative dispute resolution techniques in context with each legal tradition and challenges the student to reconcile the diversity of traditions.

**CONR 638 Ethics and Conflict Resolution (3-0-3)**. Investigates contemporary policies, historical perspectives, and significant theoretical systems of ethics in the study of conflict resolution and reconciliation. Examines the relationship of ethics to decisions-making and problem solving in conflict resolution contexts.

**CONR 643 Practicum in Conflict Resolution (3-0-3)**. A graduate level practicum tailored to meet the individual interests of the student and to utilize the student’s God-given, unique talents in advancing the field of conflict resolution.

**CONR 645 Practical Skills and Theory in Conflict Resolution (3-0-3)**. Examines contemporary ideas in negotiation and mediation, reflects on the personal experience of conflict resolution, studies a holistic model of conflict, and engages practical applications of conflict processes.

**CONR 651 Critical Thinking and Analysis (3-0-3)**. Examines concepts and techniques of adult learning, critical thinking and analysis within the context of family conversations that address heritage development in business-related and emotion-driven issues and interests.

**CONR 653 Communication and Facilitation (3-0-3)**. Principles, best practices and processes are discussed for guiding groups toward solving problems or achieving collective goals for heritage development. The course focuses on building positive communication contexts for a group of people to move through complex relational challenges of emotionally charged conflict, problem solving and decision making.

**CONR 655 Strategic Vision and Planning (3-0-3)**. Explores theories and techniques for evaluating present conditions and future potential, creating viable vision and foundational platform statements, and designing and implementing strategic plans for heritage development.

**CONR 657 Practicum in Heritage Development (3-0-3)**. This course provides students with practical experience working with applications of course principles and with professionals in heritage development contexts. Students will observe processes and apply concepts and theories from courses in regular reports and reflections.

**CONVERGENCE JOURNALISM (SEE JMC)**

**CORE-CORNERSTONE**

*University Studies*

**CORE 110 Cornerstone (3-0-3)**, fall, spring. Engage first semester students in thinking about the ideas which shape our current and future views of ourselves, our communities, and the cosmos. Special attention is given to a Christian perspective on liberal education as a foundation for lifelong integration of faith, ideas, and action. Required to satisfy University Requirements.

**CORE 115 Critical Thinking, Identity and Community (3-0-3)**. This course engages students in thinking critically, missionally, and globally about the ideas that shape our current and future views of ourselves. Students will analyze various historical ideas about the self, consider the differences between human persons and the rest of creation, and begin to understand the factors that shape personal identity and faith. Through in-class presentations, mentorship class discussion, and personal and collaborative writing and readings, students will reflect on how individually and as members of communities we can come to understand our communal responsibilities and ourselves. Special attention is given to a Christian perspective of identity and community. Includes a research project. Prerequisite: ENGL 112.

**CORE 210 Human Identity and Community (3-0-3)**, fall, spring, summer. Focuses on the intersection of the human self and community. Explores a range of philosophical, ethical, and theological theories of human nature and society, students will learn how to think critically, globally, and missionally about themselves and the communities of which they are a part. Prerequisites: CORE 110 and ENGL 112. May be used to satisfy University Requirements.

**COUNSELING (SEE BMFT – MARRIAGE AND FAMILY THERAPY OR PSYC – PSYCHOLOGY)**

**CS - COMPUTER SCIENCE**

*School of Information Technology and Computing (SITC)*

**CS 111 Introduction to Computer Science (2-0-1)**, fall. Introduces classic computational problems using logic and algorithms, but without programming. Emphasizes foundational ideas and terminology for further study of computer science. Topics include: numbers, sets, linear data structures, graphs, state diagrams and operations on these. Prerequisites: SAT math score of 500; ACT math score of 20; MATW 019; COMPASS placement into MATH 109.

**CS 115 Introduction to Programming Using Scripting (3-0-3)**, fall, spring, summer on demand. An introduction to computer programming using a scripting language such as Python or PHP, with an emphasis on problem solving and logic. Topics include: variables and constants, arithmetic operations, data input and output, Boolean logic, conditional and iterative program control structures, user-defined functions, simple algorithm design, and debugging strategies.

**CS 116 Applied Programming Using Scripting (3-0-3)**, fall, spring, summer on demand. A deeper exploration of computer programming using a scripting language such as Python or PHP, with a greater emphasis on algorithm design. Topics include strings, arrays, and other advanced data types, reading and writing files, modules, exception handling, recursion, regular expressions, and complex algorithm design. Prerequisite: CS 115 with a grade of “C” or better.

**CS 120 Programming I (3-0-3)**, fall, spring. Programming, debugging, and small program development in a statically typed procedural language. Topics include sequential, selective, and iterative control flow, modularity, simple data types, arrays, formatted input and output and text file processing. Prerequisite: COMPASS placement or concurrent enrollment in MATH 109 or MATH 124 or MATH 185; or CS 115.

**CS 130 Programming II: Data Structures (3-0-3)**, fall, spring. An introduction to programming emphasizing implementation details such as pointers, array and data structure physical memory layout, stack conventions for function calls, string manipulation, heaps, allocation, object construction including canonical object form for C++, and portability. The primary language is C++; with substantial reference to C, and assembly language. Prerequisite: CS 120 with a grade of “C” or better.

**CS 220 Computer Organization (3-0-3)**, spring. An introduction to machine organization covering digital circuits, functional units, caches, virtual memory, devices, the interrupt mechanism, and bus arbitration in the context of a single-user system. Prerequisite: CS 130 with a grade of “C” or better.
CS 230 Object-Oriented Programming (3-0-3), fall. Principles and concepts of programming under the object-oriented paradigm using a language such as C++ or Java. Topics include: data abstraction and problem decomposition, information hiding, encapsulation, inheritance, polymorphism, templates, exception/event handling, multi-threading, concurrency, debugging, graphical user interfaces, and documentation. Emphasis on satisfying user specifications in application development. Prerequisite: CS 130 with a grade of “C” or better.

CS 301 Language Lab (0-1-1), on demand. An introduction to the syntax, semantics and use of a currently popular programming language or paradigm with emphasis on the features unique to that topic. May be repeated if a different topic is offered. Prerequisite: CS 230 with a grade of “C” or better or approval of the instructor.

CS 311 Contest Programming (0-1-1), on demand. A lab for programming practice, development of problem analysis skills, and general problem solving in the context of a formal programming contest environment. Prerequisite: CS 130 with a grade of “C” or better. Course may be repeated for two hours of credit.

CS 315 Mobile Computing I (3-0-3), fall. Introduces the Development of applications for mobile computing and technology. Students learn to develop applications for mobile computing devices such as the iPhone and iPod Touch. Includes theory, concepts, and hands-on programming. Assumes a strong programming background. Prerequisites: IT 220 and CS 116 or CS 120 with a grade of “C” or better.

CS 316 Mobile Computing II (3-0-3), spring. Continues Mobile Computing I, developing more complex applications for mobile devices such as the iPhone and iPod Touch. Includes theory, concepts, and hands-on programming. Assumes a strong programming background. Prerequisite: CS 315 with a grade of “C” or better.

CS 320 Database Programming and Design (3-0-3), on demand. Database theory with an emphasis on relational databases. Include data representation, relations, base tables, indexes, SQL, relational algebra, and relational calculus. Exercises will be done on a state-or-the-art relational database. Prerequisite: CS 130, IT 220 with a grade of “C” or better.

CS 330 Human-Computer Interaction (3-0-3), fall, on demand. Introduction to both the programmatic and psychological considerations surrounding shaping the computer tool to the user. The course will cover the details of implementing a graphical user interface, and how to make the interface as user-friendly as possible. Prerequisite: CS 116 or CS 120 with a grade of “C” or better.

CS 332 Design and Analysis of Algorithms (3-0-3), fall. Design and scientific and mathematical study of algorithms. Analytic and experimental performance determination. Includes searching and sorting, trees, graphs, asymptotic (e.g., big-O) performance bounds, and the halting problem. Prerequisites: CS 130 and MATH 227 with a grade of “C” or better.

CS 341 Numerical Methods (3-0-3), fall, even years. Survey of elementary numerical methods used in scientific computing applications. Topics include computer representation of integer and real numbers, sequences, series approximations, finite differences, interpolation, curve fitting, numerical differentiation and integration, and roots of a single non-linear equation. Selected algorithms to be solved using the computer. Prerequisites: MATH 186 and CS 120. Same as MATH 341.

CS 352 Programming Languages (3-0-3), spring, on demand. Students will improve their understanding of languages, increase their vocabulary of useful programming constructs, and be able to learn or design a language more easily. Prerequisites: CS 230 with a grade of “C” or better.

CS 355 Compiler Construction (3-0-3), fall, on demand. A practical treatment of programming language translation and compiler construction techniques. Emphasis is on regular grammars, lexical analysis, parsing, syntax analysis, semantic analysis, and code generation. Prerequisite: CS 220 with a grade of “C” or better.

CS 356 Operating Systems (3-0-3), spring, on demand. Topics include dynamic procedure activation, system structure, evaluation, memory and process management, and recovery procedures. Prerequisite: CS 220 with a grade of “C” or better.

CS 365 Theory of Computation (3-0-3), spring, on demand. Introduction to formal languages and automata, computability, and complexity. Topics include the DFAs, CFGs, pumping lemmas, Turing machines, the Church-Turing Thesis, non-determinism, and NP-completeness. Prerequisites: CS 220 and 332 with a grade of “C” or better.

CS 370 Logic and Formal Reasoning (1-0-1), on demand. This course provides an overview of one or more systems of formal logic closely related to computer science. Topics will include modal, propositional and predicate logic. Formal reasoning systems will be applied in the specification and verification of computer programs. Prerequisites: CS 220 with a grade of “C” or better and MATH 227 with a grade of “C” or better.

CS 374 Software Engineering (3-0-3), fall, on demand. A study of the development of large scale software systems. Includes an overview of currently used analysis and design methodologies, including both structured and object-oriented paradigms. Projects will afford practical experience in the development of interpersonal communication skills needed for team software development. Prerequisite: CS 230 with a grade of “C” or better.

CS 376 Software Testing and Quality Assurance (3-0-3), on demand. A study of software quality assurance and the software testing process, including methods, techniques and tools. Topics include: formal review techniques, verification and validation, black box testing, integration testing, acceptance testing, regression testing, performance testing, stress testing and testing of object-oriented software. Also presents an introduction to automated testing software. Prerequisite: CS 374 with a grade of “C” or better.

CS 381 Computer Graphics (3-0-3), on demand. A study of 2D and 3D rendering algorithms and representations, including homogeneous coordinate systems and their attendant transformations. Includes study of light and color and a survey of photo-realistic 3D rendering techniques. Prerequisites: CS 220, MATH 185 with a grade of “C” or better.

CS 420 Networks and Distributed Computing (3-0-3), fall, on demand. A survey of the concepts and theory of networks and distributed data processing. Topics include data communications principles, network architectures and topology, distributed databases, client server computing, congestion control, distributed processing, message passing systems, shared memory, distributed objects, process scheduling and coordination, resource sharing, deadlock, interrupt handlers, and web-centric computing in the context of a multi-user system. Prerequisite: IT 221 with a grade of “C” or better.

CS 442 Numerical Analysis (3-0-3), spring, odd years. Solution of linear systems of equations by direct and iterative methods, matrix inversion, and evaluation of determinants. Matrix solution of least square problems. Approximation of eigenvalues. Selected algorithms to be solved using the computer. Prerequisites: CS 341; MATH 325. Same as MATH 442.

CS 467 Introduction to Artificial Intelligence (3-0-3), spring, on demand. Survey of the search, reasoning, control, learning, and knowledge representation principles underpinning intelligent systems such as games, theorem provers, expert systems, neural networks, planning, machine learning, and natural language. Prerequisite: CS 332 with a grade of “C” or better.

CS 474 Object-Oriented Design (3-0-3), spring, even years. Systematic object-oriented design. Topics include interface design, design patterns, and the implementation of a medium-sized application. Prerequisite: CS 230 with a grade of “C” or better.
CS 495 Senior Seminar (3-0-3), fall. Supervised study of selected topics in the field of computer science that are not normally or not often available as part of the regular course offerings. A comprehensive term project is normally required. For computer science majors; must be taken during the last fall semester before graduation. Prerequisite: Senior standing. A writing-intensive course.

DET - DIGITAL ENTERTAINMENT TECHNOLOGY
School of Information Technology and Computing (SITC)

DET 210 Introduction to Digital Entertainment (3-0-3), fall.
Introduces the concepts of film, animation and game design/development. Students will learn to develop and design for movies, animations, and games. Concepts covered include storyboarding, conflict development, the art of storytelling, and design elements.

DET 310 Digital Entertainment Technology II (3-0-3), spring.
Develops the concepts of animation, film, and game design. Concepts covered include include sound and music, e-portfolio design, basic software scripting, ludology, and design element consideration for digital entertainment. Prerequisite: DET 210

DET 350 Game Development (3-0-3), spring. Digital game and level design. Students will learn to develop and design 2D, 3D, and mobile games and levels for games using a game engine or game development tool set. Course may be repeated once. Prerequisite: DET 210.

DET 410 Digital Entertainment Technology III (3-0-3), summer.
Capstone to the concepts of animation, movies and game design. Students will develop and design for movies, animations, and games. Concepts covered include: portfolio development, project management in DET environments, advanced DET scripting. Prerequisite: DET 310.

DIGITAL MEDIA (SEE JMC – JOURNALISM AND MASS COMMUNICATION)

DSGN – DESIGN
Department of Art and Design (CAS)

DSGN 102 Introduction to Interior Design (2-4-3), spring.
Exploration and application of interior design theory and design process techniques using problem solving methodology with emphasis on human needs, values, context, and resources. Creative application of design principles for planning and furnishing interior environments.

DSGN 111 Design Drawing I (2-4-3), fall, summer. Introduces the basic skills and techniques of monochromatic drawing with emphasis placed on gesture, line, value, texture, shape, form and delineation. Black and white media.

DSGN 201 Fundamental Design I (2-4-3), fall only. Fundamentals of design concepts and processes utilizing transformation, abstraction and organization of form, space and light. Exploring connection between site, building, interior, human perception, historical and contemporary precedents. Prerequisite: DSGN 111 or equivalent.

DSGN 202 Fundamental Design II (2-4-3), spring only. Fundamentals of design concepts and processes through place-making and universal design. Human factors, building envelope and spatial development applied to varied building typologies. Design responses informed by historical and contemporary precedents. Prerequisite: DSGN 201.

DSGN 211 Design Drawing II (2-4-3), fall. Development of design drawings and rendering skills to illustrate interior and architectural concepts. Emphasize color, value, tone and presentation. Prerequisites: DSGN 111 and ART 105.

DSGN 221 History of Architecture and Design I (3-0-3), fall. Study of architecture, design, furniture, and environs from antiquity to the 18th century. May be used to satisfy University Requirements.

DSGN 222 History of Architecture and Design II (3-0-3), spring. Study of architecture, design, furniture, and environs from the 18th century to the present. May be used to satisfy University Requirements.

DSGN 232 Digital Design Communication (2-4-3), spring. Processes and procedures for studying and communicating spatial design ideas utilizing digital media.

DSGN 251 Construction I: Materials and Methods (3-1-3), spring. Introduction to building construction materials, methods and structures, as well as building envelope performance and sustainability considerations.

DSGN 301 Intermediate Interior Design I (2-4-3), fall. Creative and technical problem solving relative to various residential and commercial interior applications. Human dimension and its relationship to space planning. Emphasis on technical aspects such as working drawings, lighting design and presentation techniques. Prerequisite: DSGN 202.

DSGN 302 Intermediate Interior Design II (2-4-3), spring. Creative and technical problem solving relative to a variety of residential or commercial interiors. Application of codes and standards, programming, specifications, working drawings, space planning, and three-dimensional drawing. Prerequisite: DSGN 301. Concurrent enrollment in DSGN 352 or professor approval.

DSGN 351 Interior Components (3-0-3), fall. Selection and specification of interior materials and finishes based on performance, decision-making criteria, resources, and estimating processes. A writing-intensive course.

DSGN 352 Building Systems (3-0-3), spring. Investigation and application of building codes and standards that affect the functionality, comfort, and health, safety and welfare of building occupants. Exploration and integration of methodologies in heating/cooling, plumbing, electricity, lighting, and communication systems within building structures through lecture and assignments. Service learning component when possible. Concurrent enrollment in DSGN 302 required. For interior design or architecture majors only.

DSGN 401 Advanced Interior Design (2-4-3), fall. Students demonstrate competency skills in capstone course with solutions to a residential or commercial design project. Includes research, client interaction, and contract documentation presentation. Prerequisites: DSGN 302 and DSGN 351.

DSGN 402 Design, Construction and Details for Interiors (2-4-3), spring. Students demonstrate comprehensive understanding of interior design, responding to contemporary issues such as socio-economic, cultural and environmental factors. Team-based project for a residential or commercial typology. Emphasis on research, programming, regulatory criteria, contract documents and coordination with other disciplines. Prerequisite: DSGN 401.

DSGN 461 Professional Principles and Practices (for Design Practitioners) (3-0-3), fall. Establishment of an interior design business. Legal and financial concerns, client relationships, written agreements, contracts, budgeting, business form use, fee/compensation methods, record keeping. Also includes legal and compensation concerns related to custom designs and product designs.

DSGN 463 Field Experience (1-10-3), fall. Supervised work experience in an architecture or interior design business. Minimum of 160 clock hours experience in the field required, plus one-hour seminar per week. Prerequisites: Junior standing, advisor approval, and acceptance of the student by a business. A capstone course.

EACH – EARLY CHILDHOOD
Department of Teacher Education (CEHS)

EACH 363 Early Language and Literacy (3-0-3), fall, spring.
Addresses developmental issues and teaching strategies related to oral language and early literacy development. Explores developmentally appropriate, research-based strategies for promoting children's literacy learning from age 3 through early primary. Topics include oral language development, phonological awareness, early phonics and emergent literacy. Also included are strategies to provide communication and language supports for young children with
developmental challenges and strategies for teaching children with limited English proficiency in the early childhood classroom. Prerequisites: EDUC 211, EDUC 250, Admission to Teacher Education program required.

**EACH 451 Guidance in Early Childhood** (3-0-3), fall, spring. Fundamental principles underlying behavior and methods of working with young children. Concurrent enrollment in EACH 466 required. Prerequisites: EDUC 211, 323, EACH 363 and admission to Teacher Education program.

**EACH 466 Education of Young Children** (3-0-3), fall, spring. A required course for students certifying in age 3 through grade 4. A study of theory and practice in the education of young children. Includes 30 hours of field experience in public schools. Concurrent enrollment in EACH 451 required. Prerequisites: EDUC 211, 323, EACH 363 and admission to Teacher Education program.

**ECON - ECONOMICS**

*Department of Management Sciences (COBA)*

**ECON 260 Principles of Macroeconomics** (3-0-3), fall, spring. Supply and demand, the framework of the free enterprise system, national income accounting, unemployment and inflation, public policy and public debt, monetary system and monetary policy, international trade, economic growth, and selected concepts of business ethics. Prerequisite: 24 earned hours. May be used to satisfy University Requirements.

**ECON 261 Principles of Microeconomics** (3-0-3), fall, spring. Economics of the firm and industry; supply and demand; revenue and costs; profits; consumer behavior; markets; the price system; the role of government; inequality; and comparative economic systems. Prerequisite: 24 earned hours. May be used to satisfy University Requirements.

**ECON 438 International Poverty and Development** (3-0-3), spring. Global poverty and development, including challenges facing economically poor countries and individuals, material and non-material views of poverty, relief and development paradigms and organizations, and assessment and intervention tools used by development agencies. Prerequisite: Junior standing. May be used to satisfy University Requirements.

**ECON 463 Managerial Economics** (3-0-3), on demand. Price determination in the free enterprise economy. Analysis of the price system in guiding and directing resources toward more efficient allocation under various market conditions. Practical applications of economic theory to contemporary and actual business problems. The case study method is emphasized. Prerequisites: ECON 260, 261, both with a grade of "C" or better.

**EDUC - EDUCATION**

*Department of Teacher Education (CEHS)*

**EDUC 211 Educational Foundations and Multicultural Perspectives** (3-0-3), fall, spring. A foundation course in professional education, including an introduction to serving students in multicultural settings and an orientation to the teacher education program. Includes observation in Pre-K-12 classroom. Required as the first course of the teacher education sequence, must be taken in residence. Prerequisite: Sophomore standing.

**EDUC 221 Educational Psychology** (3-0-3), fall, spring, summer. An introduction to theories of development, learning, motivation, memory and intelligence. May be used to satisfy University social science core requirement. Prerequisite: Sophomore standing.

**EDUC 250 Literature for Children** (3-0-3), fall, spring. A content reading course covering traditional and contemporary children's books and other materials. Studies of major authors, illustrators, and genres are emphasized, along with applications for teaching literacy skills to children. Limited to students seeking EC-4, 4-8, or EC-12 Special Education certification.

**EDUC 287 Integrating the Arts Across the Elementary School Curriculum** (3-0-3), fall, spring, summer. Addresses teaching materials and strategies appropriate for supporting meaningful integration of the arts with content area concepts and skills for diverse learners in grades EC-6. Prerequisites: EDUC 211 and admission to Teacher Education.

**EDUC 312 Field Experience in Guidance and Development** (3-0-3), summer only. Provides an opportunity for intentional reflection on personal beliefs about and skills in teaching through extended experiences with children in diverse education and/or ministry settings. During the summer, students admitted to the teacher education program provide children summer teaching services that are directly related to the teaching profession. Prerequisites: Department Chair approval; Admission to the Teacher Education Program; and summer employment, internship, or volunteer placement working directly with students or school aged children required.

**EDUC 323 Integrated Math and Science: PreK-2** (3-0-3), fall, spring. Study of the development and teaching of mathematics and science concepts in early childhood. Emphasis will be placed on integrating mathematics and science concepts in the curriculum and in aligning this curriculum with state and national standards. Prerequisite: Admission to Teacher Education.

**EDUC 331 Teaching Social Studies in Pre K - Grade 8** (3-0-3), fall, spring, summer. Designed to prepare the pre-service teacher to teach the social studies curriculum for age 3 through grade 8. The focus will be on learning the content of the curriculum as outlined by the State of Texas. In part, students will make practical application teaching an appropriate segment of the social studies curriculum. Prerequisites: EDUC 211 and Admission to Teacher Education Program required.

**EDUC 335 Teaching in the Middle School** (3-0-3). An overview of the historical development of the middle school and a thorough discussion of adolescent psychology. Analyzes middle grades content in language arts, math, social studies and science. Includes shadow study experiences at a middle school and is required for any 4-8 teaching certificate. Prerequisites: EDUC 211 and 221. Admission to Teacher Education Program required.

**EDUC 370 Teaching Math in Elementary Grades 3-6** (3-0-3), fall, spring. A study of techniques of teaching mathematics with various teaching innovations. Prerequisites: EDUC 211, 323; MATH 237, 238. Admission to Teacher Education Program required.

**EDUC 411 Elementary Curriculum, Materials, and Media** (3-0-3), fall, spring. A field-based course designed to present basic elementary curriculum including lesson planning and the development, organization, and use of teaching materials. Prerequisites: EDUC 211, 331; READ 363. Must be taken concurrently with EDUC 431 in the semester before student teaching. Admission to Teacher Education Program required. Fee required. A capstone course.

**EDUC 412 Secondary Curriculum and Media** (3-0-3), fall, spring. A field-based course designed to present basic principles of curriculum development coordinated with textbook use and lesson planning. Presents the Texas Essential Knowledge and Skills and an introduction to supporting media. Prerequisites: EDUC 211, 221; READ 322. Must be taken concurrently with EDUC 432. Should be taken semester before student teaching. Admission to Teacher Education Program required. Fee required. A capstone course.

**EDUC 431 Elementary Management and Methods** (3-0-3), fall, spring. A study of classroom management and discipline, motivation, and a variety of teaching strategies. Requires 45 hours of field work in the classroom. Prerequisites: EDUC 211, 331; READ 363. Must be taken concurrently with EDUC 411. Should be taken semester before student teaching. Admission to Teacher Education Program required. A capstone course.

**EDUC 432 Secondary Management and Methods** (3-0-3), fall, spring. A concentrated study of classroom management, motivation, leadership, curriculum, and planning. Requires 45 hours of field work
EDUC 476 Effective Teaching Strategies for English Language Learners (3-0-3), fall, spring, summer. Develops skills for helping English Language Learners, including a review of underlying social and multicultural contexts, English language concepts, types of ESL programs, and instructional objectives and techniques. Prerequisites: EDUC 211, and EACH 363, READ 322 or READ 363.

EDUC 490 Student Teaching (1-0-6),* fall, spring. The culmination of the pre-service teacher preparation program, student teaching includes teaching and related experiences in schools. Requires one semester of all-day student teaching (14 weeks). If taken outside the Abilene area, fee will be required. In order to complete the requirements of Teacher Education, a grade of “B” or better must be earned. Failure to earn a “B” or better will result in removal from Teacher Education. Prerequisites: All coursework in the candidate’s content field and in Professional Education must be completed prior to admission to student teach. A capstone course.

EDUC 499 Internship (0-3-3), fall, spring. All-day, all-semester experience. Takes the place of student teaching. Intern is cooperatively supervised by university personnel and school personnel. NOTE: Must be taken two (2) consecutive semesters. Pass/Fail grade. Additional Fee required. Prerequisites: Completion of baccalaureate degree; successfully pass content TExES; approval of Director of Certification.

EDUC 621 Overcoming Learning Barriers (3-0-3). Prepares students to investigate institutional forces that inhibit constructive school improvement and explore alternatives including curricular approaches addressing literacy, learning communities, and emotional intelligence.

EDUC 622 Theories and Strategies for Integrating Technology (3-0-3). Presents an overview of technology use and integration. Students examine ways to plan, organize and implement technology in diverse learning environments.

EDUC 651 Leading Continuous Improvement of Digital Learning (3-0-3). Current leadership theory and practice of leading change in school systems brought on by the digital revolution and its accompanying social transformation. Prerequisite: Admission to graduate school and/or digital leadership of learning certificate program.

EDUC 652 Leading Evolving Digital Learning Systems (3-0-3). Analysis and investigation of the theories of disruptive innovation in leading continuous school transformation. Prerequisite: Admission to graduate school and/or digital leadership of learning certificate program.

EDUC 653 Educational Research (3-0-3), spring. The use of technology and research as tools to improve the educational process. Emphasis on practitioner research in which students are actively engaged in systematic, intentional inquiry. Must be taken in the first 12 hours of education graduate work.

EDUC 656 School Finance (3-0-3). Problems relating to the adequate financing of schools.

EDUC 660 Practicum/Capstone in the School Principalship (0-21-3). The internship provides significant opportunities for candidates to synthesize and apply the skills identified in the national standards. A capstone course.

EDUC 661 Capstone in Curriculum and Instruction (3-0-3). Provides a culminating, student-centered, student-directed experience in which students analyze and synthesize knowledge, skills from across their program to demonstrate mastery of the learning outcomes in Curriculum and Instruction for the Department of Graduate Studies in Education. A capstone course.

EDUC 665 Capstone in Special Education (3-0-3). Provides a culminating, student-centered, student-directed experience in which students analyze and synthesize knowledge, skills from across their program to demonstrate mastery of the learning outcomes in special Education for the Department of Graduate Studies in Education. A capstone course.

EDUC 668 Practicum/Capstone in the School Superintendent (3-0-3). Internship experiences in the office of a superintendent of schools. This experience will cover a range of the duties and responsibilities encountered by a school superintendent. A capstone course.

EDUC 672 Educational Facilities (3-0-3). Provides advanced graduate students the opportunity to obtain practical experience related to the planning, financing, construction, renovation, and maintenance of educational facilities. Through presentations by practitioners with expertise in relevant areas as well as site visitations to educational facilities.

EDUC 674 Policy and Politics in Education (3-0-3). Develop an awareness of the responsibilities of a superintendent from the perspectives of political dynamics and their connections to the policy process.

EDUC 676 District Instructional Leadership (3-0-3). Application of knowledge, skills and dispositions of the superintendent to maximize learning for diverse populations. Prerequisite: Admission to program.

EDUC 680 Allocating Resources and Structuring the School for Learning (3-0-3). Focuses on the research on effective schools to provide the most productive ways to organize resources. Develops strategies to define the most important priorities that best match the needs for improvement.

EDUC 681 Nurturing School Culture to Create a Learning Community (3-0-3). Addresses the critical functions of the school leader to develop consensus that promotes action and infuses leadership throughout the school while establishing ethical and moral leadership. Assists school leaders in addressing student differences and conflicts to learn social competencies. Recognizes the importance of safe, orderly school cultures based on mutual respect.

EDUC 682 School Law, Ethics and the Learning Community (3-0-3). The legal basis for the organization and ethical administration of a learning community.

EDUC 683 Implementing Continuous Improvement (3-0-3). Applies a framework for continuous improvement that provides a quality teaching and learning environment.

EDUC 684 Meeting the Learning Challenge (3-0-3). Prepares the student to implement current theory, best practices, and brain research and to explore and investigate strategies that have a high probability of increasing learning for all students.

EDUC 686 Reframing Learning (3-0-3). Establishes the framework for moving a school culture from a focus on teaching to a focus on learning.

EDUC 687 Managing Data to Improve Student Learning (3-0-3). Focuses on data-driven decision-making and skills necessary to meet the needs of all children and to reach accountability expectations. Special emphasis is on action for continuing analysis of the gaps between goals for student learning and student performance.

EDUC 688 Creating Effective Learning Environments (3-0-3). Explores and investigates current research-based practices and theories about ways to promote meaningful learning for all members of the school community. Emphasis is on factors and conditions within the school's circle of influence that enhance learning.

EDUC 691 Education Workshop (3-0-6).* A course designed to meet an immediate need of teachers in a specific area. May be repeated.

ENGL - ENGLISH
Department of Language and Literature (CAS)

ENGL 003 Academic Literacies (2-0-2), fall, spring. Theory and practice in critical reading and expository writing to prepare students
for college-level reading and writing. A review of grammar and editing skills will also be included. Required for students (1) with an ACT English subscore of 15 or below or (2) with an equivalent SAT verbal score or (3) who have exited the highest level of ESL and have no ACT or SAT scores. Requires concurrent enrollment in ENGL 004. Does not satisfy the University Requirements composition requirement and is non-graduation credit.

ENGL 004 Academic Literacies Workshop (0-1-1), fall, spring. Practice in critical reading and expository writing facilitated by computer-aided instruction. A review of grammar and editing skills will also be included. Required for students (1) with an ACT English subscore of 15 or below or (2) with an equivalent SAT verbal score or (3) who have exited the highest level of ESL and have no ACT or SAT scores. Requires concurrent enrollment in ENGL 003. Does not satisfy the University Requirements composition requirement and is non-graduation credit.

ENGL 006 Academic Composition Workshop (0-1-1), fall, spring. Practice in reading and writing expressive and informative essays. Some persuasive writing will be included. A review of grammar and editing skills will also be included. Required of students (1) with an ACT English score of 16 -18 or equivalent SAT verbal score or (2) who have completed ENGL 003 and ENGL 004. Requires concurrent enrollment in ENGL 106. Does not meet the University Requirements composition requirement and is non-graduation credit.

ENGL 007 Rhetoric and Persuasion Workshop (0-1-1), fall, spring. Practice in analyzing and writing persuasive essays. Some researched writing will be included. A review of editing and revision skills will also be included. Required of students who took ENGL 006 and 106. Requires concurrent enrollment in ENGL 107. Does not meet University Requirements composition requirement and is non-graduation credit.

ENGL 106 Academic Composition (2-0-2), fall, spring. Theory and practice in reading and writing expressive and informative essays. Some persuasive writing will be included. A review of grammar and editing skills will also be included. Required of students (1) with an ACT English subscore of 16 -18 or equivalent SAT verbal score or (2) who have completed ENGL 003 and ENGL 004. Requires concurrent enrollment in ENGL 006. The combination of ENGL 106 and 107 satisfies the University Requirements composition requirement and one hour of elective credit.

ENGL 107 Rhetoric and Persuasion (2-0-2), fall, spring. Theory and practice in analyzing and writing persuasive essays. Some researched writing will be included. A review of editing and revision skills will also be included. Required concurrent enrollment in ENGL 007. Prerequisites: ENGL 106 and ENGL 006. The combination of ENGL 106 and 107 satisfies the University Requirements composition requirement and one hour of elective credit.

ENGL 111 Composition and Rhetoric (3-0-3), fall, spring, summer. The theory and practice in reading and writing analytical and persuasive essays. Prerequisite: Meet one of the following - SAT score of 470 or above; ACT English score of 19 or above; or COMPASS placement into ENGL 111. May be used to satisfy University Requirements.

ENGL 112 Composition and Literature (3-0-3), fall, spring, summer. Expository, critical, and persuasive writing with research based on the reading of literary works. Prerequisite: ENGL 107 or 111. May be used to satisfy University Requirements.

ENGL 221 Major British Writers I (3-0-3), fall, spring, summer. From the Beowulf poet to Samuel Johnson. Recommended for English majors and future teachers. Prerequisite: Completion of freshman English requirements as required by degree plan. May be used to satisfy University Requirements.

ENGL 222 Major British Writers II (3-0-3), fall, spring, summer. From the eighteenth century to the present. Recommended for English majors and future teachers. Prerequisite: Completion of freshman English requirements as required by degree plan. May be used to satisfy University Requirements.

ENGL 231 World Literature I (3-0-3), fall. Survey of world masterpieces outside the English and American traditions, with emphasis on continental literature from the Classical, Medieval, and Renaissance periods. Prerequisite: Completion of freshman English requirements as required by degree plan. May be used to satisfy University Requirements.

ENGL 232 World Literature II (3-0-3), spring. Survey of world masterpieces after 1700, with attention to the connections between culture and literature. Prerequisite: Completion of freshman English requirements as required by degree plan. May be used to satisfy University Requirements.

ENGL 262 American Literature Before 1900 (3-0-3), fall, spring, summer. From Native American myth to the turn of the century. The course emphasizes the multicultural voices, both male and female, that constitute American literature. Prerequisite: Completion of freshman English requirements as required by degree plan. May be used to satisfy University Requirements.

ENGL 263 American Literature After 1900 (3-0-3), fall, spring, summer. From the early 20th century to the present. The course emphasizes the multicultural voices, both male and female, that constitute American literature. Prerequisite: Completion of freshman English requirements as required by degree plan. May be used to satisfy University Requirements.

ENGL 301 Introduction to the Major (3-0-3), fall. The introduction to the major is a three-hour course designed to introduce English majors to selected seminal works of literature across the world, beginning with ancient texts and continuing to 1950. It will equip students with a foundational framework with which to begin their classes in the major. Prerequisite: Completion of Sophomore requirements for English majors.

ENGL 311 Literary Theory and Criticism (3-0-3), fall, spring. Readings of major critical texts from Plato to the present, with practice in writing original criticism according to major literary approaches. Prerequisite: Completion of Sophomore English requirements.

ENGL 320 Creative Nonfiction Workshop (3-0-3), spring. Writing of literary works grounded in factual reality, using techniques of novelists and poets. Includes autobiography, nature writing, travel narrative, cultural criticism, spiritual memoir. Involves peer review; offers strategies for revision and publication. Prerequisite: Completion of Sophomore English requirements.

ENGL 322 Fiction Workshop (3-0-3), fall. Writing of fiction with guidance from lectures and class members' critiques. Prerequisite: Completion of Sophomore English requirements.

ENGL 323 Poetry Workshop (3-0-3), fall, odd years. Writing of poetry with guidance from lectures and class members' critiques. Prerequisite: Completion of Sophomore English requirements.

ENGL 324 Play Writing Workshop (3-0-3), on demand. A basic method of developing a play script with critiques and readings by actors. Includes workshop by professional playwright. Same as THEA 457.

ENGL 325 Advanced Composition (3-0-3), spring. Analysis of the writing process, step by step, with practice in the major types (description, narration, evaluation, exposition, persuasion, and research) and with emphasis on revision. Prerequisites: Completion of Sophomore literature requirements and Junior standing. Designed for future teachers and writers. A writing-intensive course.

ENGL 326 Business and Professional Writing (3-0-3), fall, spring, summer. Introduction to the theory and accepted practices of composition in occupational fields, including correspondence, report writing and presentations based on content in upper-level courses in the student's major field. Prerequisites: Completion of Sophomore literature requirements and Junior standing.
ENGL 327 Scientific and Technical Writing (3-0-3), spring. Prepares students to write and edit technical and scientific forms of discourse appropriate for academe and the work place. Documents will be written both individually and collaboratively. Oral presentations will be made throughout the semester. Prerequisite: Completion of Sophomore English requirements.

ENGL 328 Social Justice: A Rhetoric (3-0-3), spring, odd years. The course offers analysis of discursive and non-discursive texts on social justice through various rhetorical approaches. Its emphasis is on the use of rhetorical analysis to critique policies, power structures, and equity in the texts. Prerequisite: Sophomore English requirements.

ENGL 329 Rhetoric as Written Discourse (3-0-3), spring, even years. A survey of major rhetorical texts from classical times to present. Emphasis on the development of rhetorical theory as it relates to written discourse. Prerequisite: Completion of Sophomore English requirements. COMM 491 may be substituted for this course.


ENGL 331 Narrative for Film and New Media (3-0-3), fall. Principles of storytelling, including myth and screenplay structure, as used in movies, graphic novels, and interactive gaming. Close study of fantasy and science fiction narratives. Workshop format involves peer review. Prerequisite: Completion of Sophomore English requirements.

ENGL 351 Literature for Young Adults (3-0-3), spring. A content reading course emphasizing literature and other materials for middle school and high school students. Attention is given to major authors, ground-breaking books, and contemporary materials in various genres. Prerequisites: Completion of Sophomore English requirements and Junior standing. May not be used to satisfy University English literature requirement.

ENGL 362 American Literature Before 1860 (3-0-3), fall. A survey of the major writers before the Civil War. Prerequisite: Completion of Sophomore English requirements.

ENGL 363 American Literature After 1860 (3-0-3), spring, summer. A survey of the major writers since the Civil War. Prerequisite: Completion of Sophomore English requirements.

ENGL 376 Fiction (3-0-3), fall, even years. Novels and short stories that seem to have earned a permanent reputation. May be repeated as content varies. Prerequisite: Completion of Sophomore English requirements.

ENGL 377 Drama (3-0-3), Oxford: on demand; Abilene: spring, odd years. Survey of significant plays from ancient Greeks to the present. May be repeated as content varies. Prerequisite: Completion of Sophomore English requirements.

ENGL 378 Poetry (3-0-3), spring, even years. Advanced study of poetry that seems likely to endure. May be repeated as content varies. Prerequisite: Completion of Sophomore English requirements.

ENGL 380 Interactive Narratives (3-0-3), fall, even years. English 380 introduces the lexicon and theoretical models for the study of interactive narratives (from games, social media, fan literature, or other emerging media). Students will explore how meaning is generated through these narratives, demonstrating the knowledge they gain through reflective writing, researched writing, and project-based assignments. Prerequisite: Completion of Sophomore English requirements.

ENGL 401 Guided Study: Literary Criticism (3-0-3),* on demand. Prerequisite: Completion of Sophomore English requirements.

ENGL 402 Guided Study: Writing (3-0-3),* on demand. Prerequisite: Completion of Sophomore English requirements.

ENGL 406 Guided Study: American Literature (3-0-3),* on demand. Prerequisite: Completion of Sophomore English requirements.

ENGL 407 Guided Study: General Literature (3-0-3),* on demand. Prerequisite: Completion of Sophomore English requirements.

ENGL 409 Guided Study: British Literature After 1700 (3-0-3),* on demand. Prerequisite: Completion of Sophomore English requirements.

ENGL 410 Language and Literature Internship (3-0-3)*, summer. Designed for students who obtain internships requiring or allowing for college credit. Can be taken for 2 or 3 credits, depending on the number of hours required by the internship. Prerequisite: Junior or Senior status.

ENGL 432 Introduction to Linguistics (3-0-3), spring. Introduction to linguistics including topics such as phonology, morphology, semantics, syntax, pragmatics, language acquisition, regional and social language variation, and historical linguistics. Emphasis varies to suit the needs of the class. Prerequisite: Completion of Sophomore English requirements.

ENGL 441 Topics in Literary Criticism and Bibliography (3-0-3), on demand. May be repeated as content varies. Prerequisite: Completion of Sophomore English requirements.

ENGL 442 Topics in Writing (3-0-3), on demand. May be repeated as content varies. Prerequisite: Completion of Sophomore English requirements.

ENGL 443 Topics in the English Language (3-0-3), on demand. May be repeated as content varies. Prerequisite: Completion of Sophomore English requirements.

ENGL 445 Topics in Teaching English and Reading (3-0-3),* on demand. Prerequisite: Completion of Sophomore English requirements.

ENGL 446 Topics in American Literature (3-0-3), on demand. May be repeated as content varies. Prerequisite: Completion of Sophomore English requirements.

ENGL 447 Topics in General Literature (3-0-3), on demand. May be repeated as content varies. Prerequisite: Completion of Sophomore English requirements.

ENGL 448 Topics in British Literature Before 1700 (3-0-3),* on demand. May be repeated as content varies. Prerequisite: Completion of Sophomore English requirements.

ENGL 449 Topics in British Literature After 1700 (3-0-3), on demand. May be repeated as content varies. Prerequisite: Completion of Sophomore English requirements.

ENGL 459 English for Secondary Teachers (3-0-3), fall. Specialized instruction in the content and methods of teaching oral and written composition, grammar, and literature in secondary schools. Required for English certification. Prerequisite: 6 hours of upper-level English.

ENGL 464 American Novel (3-0-3), fall, even years. A study of significant novels. May be repeated as content varies. Prerequisite: Completion of Sophomore English requirements.

ENGL 470 Multicultural Literature (3-0-3), spring. An introduction to and a study of literature by various cultures in the United States. Includes both general backgrounds and specific authors and works. May be repeated as content varies. Prerequisite: Completion of Sophomore English requirements.

ENGL 471 Literature and Belief (3-0-3), fall, odd years. A survey of classic literary texts concerned with faith, doubt, and Christian spirituality from Augustine to the present. Prerequisite: Completion of Sophomore English requirements.

ENGL 472 Film and Belief (3-0-3), spring. A detailed study of recent and classic films with emphasis on their theological elements and how they are manifestations of culture. Students will develop viewing discernment and the ability to assess and write about thematic elements of films in genres, including romantic comedy, drama, independent,
and foreign film. Prerequisites: Completion of Sophomore English requirements and Junior standing.

**ENGL 473 Rhetoric and Belief** (3-0-3), fall, even years. This course focuses on the intersections of rhetoric and belief. Students examine traditional religious discourse and consider the rhetorical nature of that discourse, as well as examine ways that belief – not just faith in a transcendent being – permeates much (if not all) rhetorical discourse. Prerequisite: Completion of Sophomore English requirements.

**ENGL 481 Medieval British Literature** (3-0-3), spring, even years. A survey of major medieval texts with special emphasis on Middle English and Chaucer. Prerequisite: Completion of Sophomore English requirements.

**ENGL 483 Shakespeare** (3-0-3), fall, summer. An introduction to comedies, histories, and tragedies with attention to major critical approaches to Shakespearean drama. Prerequisite: Completion of Sophomore English requirements.

**ENGL 484 Seventeenth-Century British Literature** (3-0-3), spring, odd years. English poetry and prose of the 17th century, with emphasis on Donne, Herbert, and Milton. Prerequisite: Completion of Sophomore English requirements.

**ENGL 495 Eighteenth-Century British Literature** (3-0-3), fall, odd years. A survey of major works and authors with some emphasis on drama. Prerequisite: Completion of Sophomore English requirements.

**ENGL 496 Nineteenth-Century British Literature** (3-0-3), fall, even years. A survey of Romantic and Victorian poetry and prose, 1780-1900, with emphasis on the major writers. Prerequisite: Completion of Sophomore English requirements.

**ENGL 497 Twentieth-Century British Literature** (3-0-3), spring, even years. Selected writing from British authors throughout the century, covering at least three genres (fiction, poetry, drama, or nonfiction). Prerequisite: Completion of Sophomore English requirements.

**ENGL 499 Studies in World Literature** (3-0-3), fall, spring. A senior seminar using contemporary theoretical and critical approaches to selected literatures of the world. Provides a practical introduction to a range of literatures through application of current tools and methods of literary analysis in a discussion setting. Prerequisite: Senior standing. For majors only. A capstone and writing-intensive course.

**ENGL 520 Creative Nonfiction Workshop** (3-0-3), spring. Writing of literary works grounded in factual reality, using techniques of novelists and poets. Includes autobiography, nature writing, travel narrative, cultural criticism, spiritual memoir. Involves peer review; offers strategies for revision and publication.

**ENGL 522 Fiction Workshop** (3-0-3), fall. Writing of fiction with guidance from lectures and class members' critiques.

**ENGL 523 Poetry Workshop** (3-0-3), fall, odd years. Writing of poetry with guidance from lectures and class members' critiques.

**ENGL 525 Advanced Composition** (3-0-3), spring. Analysis of the writing process, step by step, with practice in the major types (description, narration, evaluation, exposition, persuasion, and research) and with emphasis on revision. A writing-intensive course.

**ENGL 526 Business and Professional Writing** (3-0-3), fall, spring, summer. Introduction to the theory and accepted practices of composition in occupational fields, including correspondence and report writing based on content in upper-level courses in the student's major field. Some oral work required.

**ENGL 529 Rhetoric as Written Discourse** (3-0-3), spring, even years. A survey of major rhetorical texts from classical times to present. Emphasis on the development of rhetorical theory as it relates to written discourse.


**ENGL 532 Introduction to Linguistics** (3-0-3), spring. Introduction to linguistics including topics such as phonology, morphology, semantics, syntax, pragmatics, language acquisition, regional and social language variation, and historical linguistics. Emphasis varies to suit the needs of the class.

**ENGL 551 Literature for Young Adults** (3-0-3), spring. A content reading course emphasizing literature and other materials for middle school and high school students. Attention is given to major authors, ground-breaking books, and contemporary materials in various genres.

**ENGL 558 Teaching English as a Second Language** (3-0-3), spring. An introduction to the methods and techniques of teaching English as a second language. Prerequisite: ENGL 330.

**ENGL 562 American Literature Before 1860** (3-0-3), fall. A survey of the major writers before the Civil War.

**ENGL 563 American Literature After 1860** (3-0-3), fall, summer. A survey of the major writers since the Civil War.

**ENGL 564 American Novel** (3-0-3), fall, even years. A study of significant novels. May be repeated as content varies.

**ENGL 570 Multicultural Literature** (3-0-3), spring. An introduction to and a study of literature by various cultures in the United States. Includes both general backgrounds and specific authors and works. May be repeated as content varies.

**ENGL 571 Literature and Belief** (3-0-3), fall, odd years. A survey of classic literary texts concerned with faith, doubt, and Christian spirituality from Augustine to the present.

**ENGL 572 Film and Belief** (3-0-3), fall, even years. A detailed study of recent and classic films with emphasis on their theological elements and how they are manifestations of culture. Students will develop viewing discernment and the ability to assess and write about thematic elements of films in genres, including romantic comedy, drama, independent, and foreign film.

**ENGL 576 Fiction** (3-0-3), fall, even years. Novels and short stories that seem to have earned a permanent reputation. May be repeated as content varies.

**ENGL 577 Drama** (3-0-3), Oxford: on demand; Abilene: spring, odd years. Survey of significant plays from ancient Greeks to the present. May be repeated as content varies.

**ENGL 578 Poetry** (3-0-3), spring, even years. Advanced study of poetry that seems likely to endure. May be repeated as content varies.

**ENGL 581 Medieval British Literature** (3-0-3), spring, even years. A survey of major medieval texts with special emphasis on Middle English and Chaucer.

**ENGL 583 Shakespeare** (3-0-3), fall, summer. An introduction to comedies, histories, and tragedies with attention to major critical approaches to Shakespearean drama.

**ENGL 584 Seventeenth-Century British Literature** (3-0-3), spring, odd years. English poetry and prose of the 17th century, with emphasis on Donne, Herbert, and Milton.

**ENGL 595 Eighteenth-Century British Literature** (3-0-3), fall, odd years. A survey of major works and authors with some emphasis on drama.

**ENGL 596 Nineteenth-Century British Literature** (3-0-3), fall, even years. A survey of Romantic and Victorian poetry and prose, 1780-1900, with emphasis on the major writers before the Civil War.

**ENGL 597 Twentieth-Century British Literature** (3-0-3), fall, even years. A survey of major works and authors with some emphasis on drama.

**ENGL 598 Nonfiction Writing Workshop** (3-0-3), spring, even years. Selected writing from British authors throughout the century, covering at least three genres (fiction, poetry, drama, or nonfiction).
certain significant writings. May be repeated as topics vary for up to 9 hours credit.

**ENGL 612 Studies in British Literature** (3-0-3), fall, spring. May emphasize genres, themes, or individual writers. May be repeated as topics vary for up to 9 hours of credit.

**ENGL 613 Literary Theory and Faith** (3-0-3), fall. Various topics in contemporary literary criticism and theory. May be repeated as topics vary for up to 9 hours of credit.

**ENGL 615 World Literature** (3-0-3), spring, odd years. Selection of texts for this course ranges freely over the globe, engaging literary works from all countries and cultures. When texts for study are selected from the non-Anglophone world, they are presented in English translation.

**ENGL 620 Literary Research Methods and Publication** (3-0-3), fall, even years. An intense, step-by-step guided research experience introducing students to advanced literary research methods, presentation, and publication.

**ENGL 622 Rhetoric and Belief** (3-0-3). This course focuses on the intersections of rhetoric and belief. Students examine traditional religious discourse and consider the rhetorical nature of that discourse, as well as examine ways that belief – not just faith in a transcendent being – permeates much (if not all) rhetorical discourse.

**ENGL 623 Discourse Theory** (3-0-3). Offers a brief historical framework from the sophists to the Scottish Enlightenment. It then explores the implications of major discourse theorists on composition and rhetoric studies.

**ENGL 624 Non-Traditional Rhetoric** (3-0-3). The course offers immersion into one type of non-traditional rhetoric (visual, feminist, silence, etc.) each time it is taught. Students will read text and theories in the non-traditional rhetoric as well as perform one major analysis.

**ENGL 625 Rhetorical Methods and Publication** (3-0-3). The course offers experience understanding quantitative and ethnographic research in composition as well as preparing students to perform rhetorical analysis for publication.

**ENGL 631 Contexts: Studies in a Single Author** (3-0-3). Focusing on a single author, this course encourages a depth of exploration that is not feasible in the format of survey courses. This format allows for an intensive study of the works and context of an author and through this examines multiple modes of literary criticism and theory.

**ENGL 633 Connections: Studies in a Literary Period** (3-0-3). This seminar integrates the philosophical, cultural, political, and spiritual underpinnings of period formation, in a transnational, interdisciplinary context through discussions in a seminar setting.

**ENGL 650 Contemporary Composition Theory** (3-0-3), spring, even years. Contemporary Composition Theory surveys problems, issues, and current threads of discussion within contemporary Composition-Rhetoric scholarship. Prerequisites: Permission from Graduate Director, Department of Language and Literature. Each student must be entered manually by department.

**ENGL 652 Rhetorical Theory and Praxis** (3-0-3), fall. An examination of rhetorical theories as they informed praxis, beginning with an overview of the history of rhetoric, then a study of the intersection between rhetorical theory and writing center theory and pedagogy and composition theory and pedagogy.

**ENGL 699 Master's Thesis** (0-0-6).*

**ENGR - ENGINEERING**

**Department of Engineering and Physics (CAS)**

**ENGR 115 Introduction to Engineering and Physics** (2-0-2), fall. An introduction to the career fields of engineering and physics. Topics include sub disciplines within engineering and physics, tools and methods used in these fields, and the processes of modeling and problem solving. Computational analytical and design tools will also be introduced. Corequisite: ENGR 116. Prerequisite: MATH 124 or concurrent enrollment.

**ENGR 116 Introduction to Engineering and Physics Laboratory** (0-3-1), fall. A laboratory class demonstrating and exploring topics covered in ENGR 115. Physical concepts such as force, work, and energy will be illustrated as well as using these concepts within engineering design. Corequisite: ENGR 115. Prerequisite: MATH 124 or concurrent enrollment.

**ENGR 131 Computer Aided Design and Modeling** (3-0-3), fall, spring. An introductory course in the use of computer aided design (CAD) software for drafting, engineering design, and 3D modeling.

**ENGR 135 Introduction to Electric Circuits** (3-0-3), spring. Basic electrical measurements and devices, introductory electronics. Emphasis on lab work. Intended for those who will use electronic instruments and methods in their profession. Concurrent enrollment in ENGR 136 is required. Prerequisite: Passing MATH 124 or testing into MATH 185 or higher on the Math placement exam. Same as PHYS 135.

**ENGR 136 Introduction to Electric Circuits Laboratory** (0-3-1), spring. Concurrent enrollment in ENGR 135 is required. Same as PHYS 136.

**ENGR 210 Digital Logic** (3-0-3), fall. This course covers fundamental concepts of digital electronics, including binary numbers, binary mathematical operations, error codes, Boolean algebra, Boolean logic simplification, Karnaugh maps, gate-level schematics, combinational logic, sequential logic, latches, flip-flops, counters, clocks, registers, and memory. Prerequisites: a grade of C or better in both ENGR/PHYS 135 and ENGR/PHYS 136. Concurrent enrollment in ENGR 211 required.

**ENGR 211 Digital Logic Laboratory** (0-3-1), fall. This laboratory course accompanies ENGR 210, supplementing the theoretical presentation of digital logic from lecture with practical logic circuit building experience using tools such as, but not limited to, power supplies, digital multimeters, oscilloscopes, function generators, prototyping breadboards, discrete TTL and CMOS logic devices, and FPGAs. Concurrent enrollment in ENGR 210 required.

**ENGR 220 Engineering Mechanics: Statics** (3-0-3), fall, even years. A study of composition and resolution of forces, equilibrium of force systems, friction, forces acting on and in trusses and frames, centroids, and moments of inertia. Prerequisites: PHYS 220/221; MATH 186 or concurrent enrollment.

**ENGR 222 Engineering Mechanics: Dynamics** (3-0-3), spring, odd years. Study of the dynamics of particles and rigid bodies, including the governing force-mass-acceleration, work-energy, and impulse-momentum relationships for two- and three-dimensional cases. Prerequisites: ENGR 220; MATH 286 or concurrent enrollment.

**ENGR 305 Environmental Health and Safety for Engineers** (2-0-2), spring. Provides an overview of environmental health and safety history, regulations, and their application for engineering professionals. In particular this course will include OSHA regulations and permits, MSDS’s, workplace hazards and engineering safeguards. Prerequisites: ENGL 111.

**ENGR 306 Engineering Ethics** (1-0-1), spring. The purpose of this course is to provide engineering students with the fundamentals of professional ethics. This course will provide students with a set of tools and concepts that are directly applicable to the personal and professional decisions that may be encountered as practicing engineers. Prerequisite: ENGL 111.

**ENGR 320 Material Science** (3-0-3), fall. Application of material science information in applying engineering materials to the design of components. Evaluating, interpreting, and application of industry standards for materials such as American Society for Testing Materials (ASTM), American Society of Mechanical Engineers (ASME), Society of Automotive Engineers (SAE), American Petroleum Engineers (API), Deutsches Institut für Normung (DIN), and others. Prerequisites: Credit for MATH 185 or placement into MATH 186 or 286 and CHEM 131/133.
ENGR 332 Mechanics of Materials (3-0-3), fall. A study of the internal effects of stresses and strains on solid bodies subjected to external loading. Prerequisites: ENGR 220 and MATH 186.

ENGR 333 Fluid Mechanics (3-0-3), fall. Overview of fluid static and dynamic properties; principles of conservation of energy and momentum, flow of real fluid; flow of ideal fluid; laminar and turbulent flow regimes. Application of fluid mechanic laws to engineering problems and design elements. Prerequisite: ENGR 220. Concurrent enrollment in MATH 361 required.

ENGR 334 Heat and Mass Transfer (3-0-3), spring. A study of the rates of heat and mass transfer using the fundamental mechanisms of conduction, convection, and radiation. Prerequisites: ENGR 481 and MATH 361. Concurrent enrollment in ENGR 333 required.

ENGR 342 Measurement Techniques (3-0-3), fall. An introduction to transducers for measuring physical phenomena such as temperature, pressure, and acceleration. Signal processing and statistical concepts related to measured variables are also included. Prerequisites: PHYS 222, MATH 361. Concurrent enrollment in ENGR 343 required.

ENGR 343 Measurement Techniques Laboratory (0-3-1), fall. A laboratory introduction to transducers for measuring physical phenomena such as temperature, pressure, and acceleration. Signal processing and statistical concepts related to measured variables are also included. Prerequisites: PHYS 222, MATH 361. Concurrent enrollment in ENGR 342 required.

ENGR 350 Engineering Economics (3-0-3), spring. Application of economic analysis techniques to analyze and compare engineering projects or other type of investments. Topics covered include principles of economic equivalence, time value of money, analysis of investments, comparison of alternatives, equipment depreciation and income taxes, inflation, and uncertainty. Prerequisites: Credit for MATH 185 or placement into MATH 186 or 286, or credit for MATH 131 or placement into MATH 132. May be used to satisfy University Requirements.

ENGR 355 Electronic Devices (3-0-3), fall, spring, summer. Basic physics of semiconductors, pn junctions, diode circuits, bipolar junction transistors, field effect transistors, small-signal and power amplifiers, ideal and non-ideal op amps, oscillators. Prerequisites: MATH 286 and ENGR 135; PHYS 330 (recommended). Concurrent enrollment in ENGR 356 required.

ENGR 356 Electronic Devices Laboratory (0-3-1), fall, spring, summer. Project-oriented laboratory focused on design and implementation of analog circuits with semiconductor devices. Prerequisites: MATH 286 and ENGR 135; PHYS 330 (recommended). Concurrent enrollment in ENGR 355 required.

ENGR 388 Network Analysis (3-0-3), fall, odd years. Active and passive electrical networks, time and frequency domains, Fourier and Laplace transform techniques, some non-linear circuits. Prerequisite: MATH 361. Same as PHYS 388.

ENGR 390 Junior Clinic (3-3-0), fall, spring. A junior year engineering design experience. Students will engage in team based professional level engineering design projects using design procedures to develop specifications, alternate solutions, and engineering drawing and plans while considering external constraints. Students will construct, model, test, and evaluate designs. Prerequisite: ENGR 390. Concurrent enrollment in ENGR 432 required.

ENGR 422 Embedded Systems (3-0-3), spring. This course introduces fundamental concepts of embedded systems including C and assembly language programming, debugging, power supply considerations, and interfacing sensors, displays, and motors to microcontrollers. Prerequisites: ENGR 210/211. Concurrent enrollment in ENGR 423 required.

ENGR 423 Embedded Systems Laboratory (0-3-1), spring. This laboratory introduces fundamental concepts of embedded systems including C and assembly language programming, debugging, power supply considerations, and interfacing sensors, displays, and motors to microcontrollers. Prerequisites: ENGR 210/211. Concurrent enrollment in ENGR 422 required.

ENGR 430 Senior Clinic I (3-3-3), fall. The first of a two-course senior-level engineering design experience. Students will engage in team based professional level engineering design projects using design procedures to develop specifications, alternate solutions, and engineering drawing and plans while considering external constraints. In collaboration with clients, students will develop an engineering design to be prototyped in ENGR 432. Prerequisite: ENGR 390. Contributes to completion of university capstone requirements.

ENGR 431 Senior Clinic Studio I (0-3-1), fall. The studio component of the first of a two-course senior-level engineering design experience. Students will work in team based professional level engineering design projects using design procedures to develop specifications, alternate solutions, and engineering drawing and plans while considering external constraints. When appropriate, students will construct, model, test, and evaluate designs. Prerequisite: ENGR 390. Concurrent enrollment in ENGR 430 required.

ENGR 432 Senior Clinic II (3-3-3), spring. The second part of a two-course senior-level engineering design experience. Students will work in team based professional level engineering design projects using design procedures to develop specifications, alternate solutions, and engineering drawing and plans while considering external constraints. Using engineering design procedures students complete a prototype of the design created during the first part of the design sequence (ENGR 430). Prerequisite: ENGR 430 with a grade of C or higher. Concurrent enrollment in ENGR 433 required. A writing-intensive course. Contributes to completion of university capstone requirements.

ENGR 433 Senior Clinic Studio II (0-3-1), spring. The studio component of the second of a two-course senior-level engineering design experience. Students will work in team based professional level engineering design projects using design procedures to develop specifications, alternate solutions, and engineering drawing and plans while considering external constraints. Students will construct, model, test, and evaluate design. Concurrent enrollment in ENGR 432 required.

ENGR 434 Fluid Thermal Systems (3-0-3), fall. Design and optimization of thermal systems with real world constraints, as well as economic and design analysis. A formal technical written report and oral presentation are required. Prerequisites: ENGR 333 and 481.

ENGR 481 Thermodynamics (3-0-3), fall, and as needed. Fundamental concepts of thermodynamic systems. Law of thermodynamics, properties of simple compressible substances, entropy, energy availability, ideal gas mixtures and psychometrics, and thermodynamic cycles. Application to engines, refrigeration systems and energy conversion. Prerequisites: PHYS 330 and MATH 286.

ENV - ENVIRONMENTAL SCIENCE

Department of Agricultural and Environmental Sciences (CAS)

ENVR 112 Plant Science (2-3-3), spring. A study of the applied botanical sciences. Special emphasis is placed on the use of plants by man. Plant ecology, physiology, morphology, and reproduction will be discussed in agricultural, economic, and sociological contexts. The influence of environmental factors and emerging technologies on plant growth and development will be discussed. Laboratory graded and credited with course. May be used to satisfy University Requirements.

ENVR 233 Soil Science (2-3-3), spring. A basic course dealing with soil types and parent material, chemical, physical, and biological properties of soils. Laboratory graded and credited with course. May be used to satisfy University Requirements.

ENVR 320 Energy Resources (3-0-3), fall. A study of energy conservation, energy efficiency, the numerous forms of energy, how energy is converted from one form to another and how it is used throughout the world. Presents an environmental world-view through lectures, readings, research and reflection. Focused on safe application
of energy to solve problems and meet the needs of today in a way that is sustainable into the future. Prerequisite: Junior standing.

ENVR 341 Water Resources (2-3-3), spring. A study of the use, conservation, and management of water resources within West Texas and the southwest. Discusses demand for fresh water and the limited water supplies in arid environments. Laboratory graded and credited with course. Prerequisite: Junior standing.

ENVR 345 Rangeland Plants (2-3-3), fall. Identification, classification, multiple use and economic value of native and introduced range plants in the Southwest. Laboratory graded and credited with course. Prerequisite: Junior standing.

ENVR 350 Rangeland Ecology (2-3-3), fall. Physical features affecting the use of range vegetation; field classification of range grasses and range plants. Mapping, surveying and conducting range ecological studies. Designed for students desiring to work in the field of range management. Actual problems will be assigned in the field. Laboratory graded and credited with course.

ENVR 354 Range Science (2-2-3), spring, even years. The study of planned range use in order to obtain maximum animal and plant production without degrading the quality of the ecosystem. Range utilization studies, methods of reseeding rangeland and the study of improvement techniques. Laboratory graded and credited with course. Prerequisites: ENVR 345, 350.

ENVR 410 Environmental Law and Policy (3-0-3), fall. Introduces the basic concepts and issues underlying environmental regulation. Includes environmental policy frameworks, protection and regulatory instruments, and major federal environmental statutes. Prerequisite: POLS 225 or higher. A capstone course.

ENVR 420 Environmental Thought (3-0-3), spring. A history and philosophy reading survey exploring the relationship between nature and man. Presents an environmental world-view through lectures, readings, research and reflection. Focus is on philosophy and environmental ethics such as anthropocentrism, biocentrism and ecocentrism, preservation, conservation, Christian stewardship, eco-feminism, deep ecology, and sustainability from an eastern, western and Native American perspective. Prerequisite: Senior standing. A capstone and writing-intensive course.

ENVR 455 Wildlife Ecology (3-3-4), fall. Principles of animal ecology; life histories, economic and management phases of important species of big game, upland game, waterfowl, and fish. Laboratory graded and credited with course. Recommended for animal science, environmental science and biology majors. Prerequisite: Junior standing.

ENVR 458 Wildlife Management Techniques (2-3-3), spring. The purpose of this course is to describe major approaches to problem solving, suggest ways of implementing these approaches, and to improve the management of the wildlife resource through more rapid development and improved use of techniques. Laboratory graded and credited with course. Designed for environmental science majors pursuing the Wildlife and Natural Resource Management track, and biology majors. Prerequisite: ENVR 455 or BIOL 380.

FAM - FAMILY STUDIES
Department of Marriage and Family Studies (CBS)

FAM 251 Introduction to Family Studies (3-0-3), fall. The study of relationships, marriages and families as a social science. Examines interpersonal relationships and the dynamics of marriage and family life with an emphasis on the formation of healthy relationships and the maintenance of marital and family strengths. May be used to satisfy University Requirements.

FAM 265 Child Development (3-1-3), fall. Examines the physical, cognitive and psychosocial development of children from conception through adolescence including the appropriate care and guidance of children during infancy and toddlerhood, early childhood, middle childhood and adolescence. Theories of child development and the dynamic interaction of children with their social environments are examined.

FAM 285 Family Theories: An Introduction (3-0-3), fall. The purpose of this course is to introduce students to a variety of theoretical frameworks for understanding the internal dynamics of family systems. Students will explore how major concepts from various theories can be utilized to explain and predict human behavior in the context of interpersonal relationships and family life.

FAM 356 Human Intimacy (3-0-3), spring. Current social science research and literature pertaining to the dynamics of human intimacy and sexuality are examined from a biopsychosocial perspective. This course provides a conceptual framework and understanding of human sexuality necessary to address a multitude of sexual issues encountered when working with a highly diverse and secular audience. Prerequisite: Junior standing.

FAM 362 Families in Society (3-0-3), spring. Examines historical and current trends in marriage and family life relevant to contemporary American society. The course provides an eco-systemic view of marriage and family life and demonstrates how social policies and family laws as well as social service programs impact the ability of families to fulfill their social functions.

FAM 432 Family Finances (3-0-3), spring. Principles of finance and utilization of time and energy resources for the family. Includes spending plans, credit, savings, insurance, housing, taxes, investments, and estate planning.

FAM 452 Parenting and Family Skills (3-0-3), fall. Principles of effective parenting including theoretical approaches to understanding parent/child relations, the etiology of child behaviors, dysfunctional parenting styles and mechanisms of behavior change. Emphasis is given to strengthening positive behaviors and developing significant perceptions and skills in children. Different family structures and interactions over the family life-span are considered.

FAM 453 Family Crises and Resiliency (3-0-3), fall. Consideration of social institutions and resources in the community as they affect the well-being of children and families. Attention is given to: (1) families experiencing stress and crises; (2) working with nontraditional family structures (e.g., single parent and stepfamilies) (3) community resources for meeting family needs; and (4) providing students with practical experiences and information needed to work effectively with community groups.

FAM 454 Aging and the Family (3-0-3), spring. Examines successful aging from a bio-psychosocial framework with an emphasis on changes in interpersonal relationships, roles, and family dynamics associated with aging family members. Topics include: common problems and decisions facing aging families, marriage in later life, being single, parent-child relationships, sibling ties, the role of grandparents, divorce and remarriage, physiological/health issues leading to increased dependency and long-term care and one's life review.

FAM 455 Ministry to Fathers (3-0-3), spring. Reviews current literature on fathering with an emphasis on equipping men and women (husbands and wives) for the vital role that fathers play in the lives of their children/family. Examines the impact of father's absence on the lives of sons and daughters, including barriers that hinder father involvement. Participants examine the principles of effective fathering as well as how wives contribute to their husband's fathering style. Biblical principles of masculinity are examined as well as how men become spiritual leaders of their families.

FAM 470 Family Life Education Methodology (3-0-3), fall. Provides students with an understanding of the competencies, broad knowledge base, and skills required for the ethical practice of family life education. Students acquire knowledge regarding the design, implementation and evaluation of family life education programs including methods of teaching/learning relevant to diverse audiences within a variety of community settings. Prerequisites: FAM 251, FAM 356, FAM 452, or approval of instructor.
FAM 485 Ethics and Professional Development (3-0-3), spring. This course is designed to foster the personal and professional development of Family Studies majors via the integration of faith and learning, the process of ethical decision making, and the requisite professional skills required by careers in family life education and social services. A capstone and writing-intensive course.

FAM 495 Family Studies Practicum (1-8-3), spring, summer. Supervised experience in a community setting having an identified family life education or service program. Minimum of 125 clock hours service-learning in the community program, plus one hour seminar per week to integrate the field experience with the family studies curriculum and to engage in reflective assessment of skill and knowledge in personal development as a family service practitioner. Prerequisites: Senior standing; advisor and department chair approval; and acceptance of the student by a community program.

FIN - FINANCE
Department of Accounting and Finance (COBA)

FIN 310 Financial Management (3-0-3), fall, spring, summer. Financial analysis, capital budgeting, working capital management, sources and forms of long-term financial structure, the cost of capital, and dividend policy. Prerequisites: ACCT 210; ECON 260, 261, with a grade of “C” or better; MATH 130.

FIN 311 Money and Banking (3-0-3), spring. Nature and operations of our money and banking system, and the application of modern monetary and banking theory to domestic and international problems. Prerequisites: ACCT 210; ECON 260, 261 with a grade of “C” or better; MATH 130.

FIN 411 Principles of Investment (3-0-3), fall, spring. Introduction to securities markets, presentation of risk-return analysis, analysis of common stocks and bonds, and introduction to portfolio analysis. Prerequisite: FIN 310, with a grade of “C” or better.

FIN 412 Financial Theory and Practice (3-0-3), fall, spring. The acquisition and use of financial resources are examined from the perspective of the financial manager. Coverage includes both theoretical and practical aspects of financial management. Prerequisite: FIN 310 with a grade of “C” or better.

FIN 414 Bank Management (3-0-3), on demand. The organization of the bank, sources of bank funds, allocation of bank funds, and supervision and regulation of the commercial bank. Prerequisite: FIN 310, with a grade of “C” or better.

FIN 416 Personal Financial Planning (3-0-3), fall, spring. Introduction to the methodology and discipline of personal financial planning. Focuses on the comprehensive and ongoing planning process that seeks to quantify personal financial objectives and balance the components of risk management, personal investments, tax considerations, retirement preparation, and estate planning. Prerequisite: 72 earned hours.

FIN 419 International Financial Markets (3-0-3), spring. A study of the concept of the balance of payments, different methods of financing international trade including the methods, documents, and institutions used, and an examination of capital investments and international financial markets. Prerequisite: FIN 310, with a grade of “C” or better. May be used to satisfy University requirements.

FIN 420 Entrepreneurial Finance (3-0-3), spring. This course is focused on the financial aspects of a new venture from idea to operation to harvest. The course will help students develop understanding and proficiency with respect to the concepts and tools of entrepreneurial finance and help foster an entrepreneurial spirit. Prerequisite: FIN 310 with a grade of “C” or better.

FIN 434 Portfolio Management (3-0-3), fall, spring. Each student will use valuation techniques to select common stocks to comprise a portfolio. The performance of each portfolio will be compared to that of other students and a benchmark. Each student will make five presentations to the class regarding their portfolio’s composition and performance. Collectively, the students will function as an Investment Committee in managing a class portfolio. Prerequisite: FIN 310 with a grade of “C” or better.

FIN 439 Student Managed Investment Fund (3-0-3), fall, spring. This course comprises a group of students that are responsible for managing a portion of the university’s endowment. Specifically, they are responsible for constructing and monitoring a portfolio of long positions in common stocks. This portfolio is referred to as the Student Managed Investment Fund and uses the brand name STAR (Student Trading and Research). Prerequisite: FIN 310 with a grade of “C” or better.

FIN 499 Finance Internship (3-0-3),* on demand. A practical work experience in accounting or finance. Prerequisites: ACCT 310; FIN 310; GPA of 2.75 or above in business courses; overall GPA of 2.50 or above; and consent of department chair. Same as ACCT 499, IS 499, ITC 499, MGMT 499 and MKTG 499.

FLEN - ENGLISH AS A SECOND LANGUAGE (ESL)
Department of Language and Literature (CAS)

FLEN 021 Low-Intermediate Reading (4-0-4),* fall, spring, summer. Practice in reading for academic purposes across a wide range of content. Emphasizes vocabulary.

FLEN 023 Low-Intermediate Oral Communication (4-0-4),* fall, spring, summer. Oral drills, pronunciation practice, guided conversations, and other activities designed to strengthen oral/aural skills in English.

FLEN 029 Low-Intermediate Writing (4-0-4),* fall, spring, summer. English composition training based on various topics accessible to the ESL student at this level.

FLEN 031 High-Intermediate Reading (4-0-4),* fall, spring, summer. Practice in reading for academic purposes across a wide range of content. Emphasizes vocabulary.

FLEN 033 High-Intermediate Oral Communication (4-0-4),* fall, spring, summer. Oral drills, pronunciation practice, guided conversations, speeches, class discussions, and other activities designed to strengthen oral/aural skills in English.

FLEN 035 High-Intermediate Grammar (4-0-4),* fall, spring, summer. Grammatical proficiency is improved through the examination of major sentence patterns and grammatical forms.

FLEN 039 High-Intermediate Writing (4-0-4),* fall, spring, summer. English composition training based on various topics accessible to the ESL student at this level.

FLEN 041 Advanced Reading (4-0-4),* fall, spring, summer. Practice in reading for academic purposes across a wide range of content. Emphasizes vocabulary.

FLEN 047 Advanced Grammar (4-0-4),* fall, spring, summer. Grammatical proficiency is improved through the examination of major sentence patterns and grammatical forms.

FLEN 049 Advanced Writing (4-0-4),* fall, spring, summer. English composition training based on various topics accessible to the ESL student at this level. Includes work in writing research papers.

FLLA - LATIN
Department of History and Global Studies (CAS)

FLLA 111 Elementary Latin I (3-1-3), fall, odd years. Introduction to forms, uses, and vocabulary of Latin with emphasis on grammar and reading Latin texts. Prerequisites: E-ACT English, 19 or above; ENGL 003/004; or approval by department. Non-credit laboratory required.
FLLA 112 Elementary Latin II (3-1-3), spring, even years. A continuation of FLLA 111. Prerequisite: FLLA 111 or equivalent through testing. Non-credit laboratory required.

FLLA 221 Intermediate Latin I (3-0-3), fall, even years. Continuation of the study of grammar and forms with increased reading of selected Latin texts. Prerequisite: FLLA 112 or equivalent through testing.

FLLA 222 Intermediate Latin II (3-0-3), spring, odd years. Selected readings from Latin authors along with grammar review as needed. Prerequisite: FLLA 221 or equivalent through testing.

FREN - FRENCH
Department of Language and Literature (CAS)

FREN 111 Elementary French I (3-1-3), fall. An introduction to the basic skills of speaking, listening comprehension, reading and writing. Prerequisites: E-ACT English, 19 or above; SAT verbal of 460 or above; ENGL 003/004; or approval by department. Non-credit laboratory required. May be used to satisfy University Requirements.

FREN 112 Elementary French II (3-1-3), spring. A continuation of FREN 111. Prerequisite: FREN 111 or equivalent. Non-credit laboratory required. May be used to satisfy University Requirements.

FREN 221 Intermediate French I (3-0-3), fall. Further study of basic grammar with greater emphasis on conversation and reading. Prerequisite: FREN 112 or equivalent through testing.

FREN 222 Intermediate French II (3-0-3), spring. Grammar review, reading, conversation, and composition. Prerequisite: FREN 221 or equivalent through testing.

FREN 352 Introduction to French Culture (3-0-3), fall, odd years. A survey of life in contemporary France with emphasis on values, attitudes, institutions, and current problems. Prerequisite: FREN 222 or equivalent through testing.

FREN 386 French Composition and Conversation (3-0-3), fall, even years. Prose composition with attention to the acquisition of useful, everyday vocabulary. Prerequisite: FREN 222 or equivalent through testing. A writing-intensive course.

FREN 481 Medieval and Renaissance Literature (3-0-3), spring, odd years. A survey of Medieval and Renaissance French literature in modern French translation. Prerequisite: FREN 222 or equivalent through testing.

FREN 484 Twentieth-Century French Literature (3-0-3), spring, even years. A general survey of 20th century French literature. Prerequisite: FREN 222 or equivalent through testing.

GEOG - GEOGRAPHY
Department of History and Global Studies (CAS)

GEOG 235 World Geography (3-0-3), spring, summer. Cultural, demographic, political, economic, and environmental themes are developed through an analysis of the world regions and the countries in each. May be used to satisfy University Requirements.

GEOG 354 Cultural Geography (3-0-3), fall, spring. Emphasis will be placed on such topics as basic concepts in geography, human population, migration, folk and popular culture, language, religion, ethnicity, political geography, globalization, and resources. May be used to satisfy University Requirements.

GEOL - GEOLOGY
Department of Chemistry and Biochemistry (CAS)

GEOL 111 Introduction to Geology (3-0-3), on demand. Study of the physical processes involved in earth's development. Identification of minerals and rocks, and introduction to plate tectonics and structural features of the earth. May be used to satisfy University Requirements.

GER - GERMAN
Department of Language and Literature (CAS)

GER 111 Elementary German I (3-1-3), fall. An introduction to the German language and culture. Emphasis on understanding the spoken and written language and on communication through speaking and writing. Prerequisites: E-ACT English, 19 or above; SAT verbal of 460 or above; ENGL 003/004; or approval by department. Non-credit laboratory required. May be used to satisfy University Requirements.

GER 112 Elementary German II (3-1-3), spring. A continuation of GER 111. Prerequisite: GER 111 or equivalent through testing. Non-credit laboratory required. May be used to satisfy University Requirements.

GER 221 Intermediate German I (3-0-3), fall. Grammar review with stress on the skills of reading, speaking, and composition. Prerequisite: GER 112 or equivalent through testing.

GER 222 Intermediate German II (3-0-3), spring. A continuation of GER 221 with more extensive reading. Prerequisite: GER 221 or equivalent through testing.

GERO - GERONTOLOGY
School of Social Work (CEHS)

GERO 350 Sociology of Aging (3-0-3), spring. An overview of the research and literature related to the demographic, social, and cultural aspects of aging in the United States and in other cultures. Same as SOCI 350.

GERO 352 Adult Development and Aging (3-0-3), fall. Introduces the student to the study of adult development and aging, the emerging science of human aging, by taking a topical approach to each aspect of development including physical, cognitive, social, and personality in relation to periods of adult life span. Emphasis will be given to late adulthood. Prerequisite: Junior standing.

GERO 437 Ministry with Older Adults (3-0-3), on demand. Course will cover demographics of the aging community, analyze programs for serving the older member, and show how to utilize the talents of mature church members.

GERO 441 Social Welfare Policy and Services (3-0-3), fall. A descriptive and analytical study of social welfare programs and policies; examination of the relationship between social work and other aspects of the U.S. social welfare system noting overall impact on social problems. Same as SOCW 441. A writing-intensive course.

GERO 448 Biology of Aging (3-0-3), Summer. Survey of the human anatomy and physiology with implications of normal and abnormal age related changes. Same as BIOL 448.

GERO 454 Aging and the Family (3-0-3), spring, even years. Problems of aging in the family as related to interpersonal relationships, nutrition, and near environmental needs of the elderly in maintaining personal independence.

GERO 460 Ethics and Social Issues (3-0-3), fall, spring. An attempt to help students reach a higher critical and reflective consciousness of the relationship of ethics to professional and business decision making and problem solving. Same as SOCI 560.

GERO 461 Nursing Facility Organization and Environmental Management (3-0-3), on demand. Gives the student knowledge of organizational and environmental management principles suggested by the National Association of Board of Examiners for Nursing Facility Administrators. Completion will provide the student with two of the seven academic domains specified by the Texas Board of Licensure for Nursing Facility Administrators. Prerequisite: Junior standing.

GERO 462 Nursing Facility Financial and Personnel Management (3-0-3), on demand. Gives the student knowledge of financial personnel management principles required by the National Association of Board of Examiners for Nursing Facility Administrators. Completion will provide the student with approximately 33% of the academic material specified by the Texas Board of Licensure for Nursing Facility Administrators. Prerequisite: GERO 461.
GERO 463 Regulatory and Resident Management in a Nursing Facility (3-0-3), on demand. Gives the student knowledge of regulatory and resident care management suggested by the National Association of Board of Examiners for Nursing Facility Administrators. Completion will provide the student with approximately 33% of the academic material specified by the Texas Board of Licensure for Nursing Facility Administrators. Prerequisite: GERO 462.

GERO 479 Programs and Services for Elderly (3-0-3), spring. Health care delivery system, aging networks, delivery of care, communication disorders in the elderly. Same as COMP 479.

GERO 486 Counseling Older Adults and Their Families (3-0-3), on demand. Examines the process of counseling older adults and their families regarding a variety of issues facing aging families. Utilization of a systemic framework will be fundamental in addressing a variety of presenting problems uniquely viewed in the context of aging. Theoretical frameworks are provided for assessing problems of the elderly as well as models for developing intervention strategies.

GERO 495 Practicum in Gerontology (3-0-3), fall, spring, summer. Supervised work experience with an agency or organization serving older adults. The practicum practice placement will be consistent with academic and career goals for the student and will be designed to give face-to-face client exposure.

GERO 541 Social Welfare Policy and Services (3-0-3), fall. A descriptive and analytical study of social welfare programs and policies; examination of the relationship between social work and other aspects of the U.S. social welfare system noting overall impact on social problems. Same as SOCW 441. A writing-intensive course.

GERO 548 Biology of Aging (3-0-3), summer. Survey of the human anatomy and physiology with implications of normal and abnormal age related changes. Same as BIOL 448.

GERO 550 Sociology of Aging (3-0-3), spring. An overview of the research and literature related to the demographic, social and cultural aspects of aging in the United States and in other cultures. Same as SOCI 550.

GERO 552 Adult Development and Aging (3-0-3), fall. Introduces the student to the study of adult development and aging, the emerging science of human aging, by taking a topical approach to each aspect of development including physical, cognitive, social, and personality in relation to periods of adult life span. Emphasis will be given to late adulthood.

GERO 554 Aging and the Family (3-0-3), spring, even years. Problems of aging in the family as related to interpersonal relationships, nutrition and near environmental needs of the elderly in maintaining personal independence.

GERO 560 Ethics and Social Issues (3-0-3), fall, spring. An attempt to help students reach a higher critical and reflective consciousness of the relationship of ethics to professional and business decision making and problem solving. Same as SOCI 560.

GERO 561 Nursing Facility Organization and Environmental Management (3-0-3), on demand. Gives the student knowledge of organizational and environmental management principles suggested by the National Association of Board of Examiners for Nursing Facility Administrators. Completion will provide the student with two of the seven academic domains specified by the Texas Board of Licensure for Nursing Facility Administrators. Prerequisite: Junior standing.

GERO 562 Nursing Facility Financial and Personnel Management (3-0-3), on demand. Gives the student knowledge of financial personnel management principles required by the National Association of Board of Examiners for Nursing Facility Administrators. Completion will provide the student with approximately 33% of the academic material specified by the Texas Board of Licensure for Nursing Facility Administrators. Prerequisite: GERO 461.

GERO 563 Regulatory and Resident Management in a Nursing Facility (3-0-3), on demand. Gives the student knowledge of regulatory and resident care management suggested by the National Association of Board of Examiners for Nursing Facility Administrators. Completion will provide the student with approximately 33% of the academic material specified by the Texas Board of Licensure for Nursing Facility Administrators. Prerequisite: GERO 462.

GERO 579 Programs and Services for Elderly (3-0-3), spring. Health care delivery system, aging networks, delivery of care, communication disorders in the elderly.

GERO 586 Counseling Older Adults and Their Families (3-0-3) on demand. Examines the process of counseling older adults and their families regarding a variety of issues facing aging families. Utilization of a systemic framework will be fundamental in addressing a variety of presenting problems uniquely viewed in the context of aging. Theoretical frameworks are provided for assessing problems of the elderly as well as models for developing intervention strategies.

GERO 615 Social Research (3-0-3). An application of the scientific method to the study of social phenomena; consideration of basic methods of data gathering, analysis and reporting, including basic statistics. Students experience organizing, conducting and evaluating research. Same as SOCI 615.

GERO 631 Human Life Cycle II (3-0-3). Provides a thorough survey of the specified divisions of the life span from early adulthood, through middle adulthood and late adulthood to death. Same as PSYC 631.

GERO 636 Seminar in Death and Dying (3-0-3). The theoretical and theological basis for the study of thanatology. Exposure to significant new literature in the discipline of death, dying and grief.

GERO 637 Ministry with Older Adults (3-0-3). Course will cover demographics of the aging community, analyze programs for serving the older member and how to utilize the talents of mature church members. Same as BIBM 637.

GERO 668 Housing the Older Client (3-0-3). This course will provide a thorough review of the literature, research and theory in the field of housing for the older client. Managerial aspects of the industry will focus upon providing a quality living environment at the best independent level care possible.

GERO 685 Advanced Seminar in Gerontology (3-0-3), on demand. This course will lead the student to apply the theory, knowledge, and practice of gerontology toward a particular field or job area.

GERO 690 Practicum in Gerontology (0-0-6)*. Supervised field placement of 150 to 300 hours.

GERO 744 Management and Funding of Nonprofit Organizations (3-0-3), on demand. Designed to develop a working knowledge of the planning, allocation, and control processes of resources in a social service agency and procedures and techniques of developing and receiving grants and/or contract support and addressing methods of organizational change and community improvement as they relate to social services. Same as SOCI 744.

GERO 745 Administration and Planning for Nonprofit Organizations (3-0-3), on demand. Will be directed toward the administration and planning process in social service organizations. The course will also help the students to assess service needs of a target population, to evaluate programs and to develop and implement viable alternatives within the agency structure. Same as SOCI 745.

GRAD - GRADUATE SCHOOL

Graduate School

GRAD 695 Thesis Continuation (0-0-0), Thesis continuation, zero credit hours, allows student to remain in active status while completing thesis.

GRAD 696 Capstone Project/Pacticum Continuation (0-0-0), Capstone Project/Pacticum continuation (zero credit hours, allows student to remain in active status while completing capstone project or practicum). Fee required.
GLST – GLOBAL STUDIES
Department of History and Global Studies (CAS)

GLST 120 Introduction to Global Issues (3-0-3), spring. Explores the nature of the contemporary world, with attention to key features and implications of globalization, as well as attention to major issues impacting global society in the 21st century. May be used to satisfy University Requirements.

GLST 212 Introduction to Great Britain (3-0-3), fall, spring. Introduces students to Great Britain through the examination of regional geography, social groups, cultural values and major regional geography, social groups, cultural values and major institutions, with special attention to the issues that currently dominate public discourse. Students learn from local guest lecturers and on-site observation of British institutions, as well as through small group tutorials in the Oxford learning tradition. Available only to students enrolled in ACU’s Oxford Study Abroad program. May be used to satisfy University Requirements.

GLST 214 Global Studies: People and Culture of Germany and Europe (3-0-3), spring. Introduction to German history, society and culture, with attention to the legacy of the German Democratic Republic (GDR) and some attention to wider Europe. Students look in depth at specific cultural components such as government, religion, business, family structures, cultural values and worldviews. Available only to students enrolled in ACU’s Montevideo, Uruguay, Study Abroad program. May be used to satisfy University Requirements.

GLST 217 South America Southern Cone: History and Culture (3-0-3), fall, spring. Includes an overview of Latin America and a more detailed examination of the history and culture of the Southern Cone of South America, especially Uruguay. Students look in depth at specific cultural components such as government, education, religion, business, family structures, cultural values and worldviews. Available only to students enrolled in ACU’s Montevideo, Uruguay, Study Abroad program. May be used to satisfy University Requirements.

GLST 499 Global Studies Seminar (3-0-3) fall, odd years. In seminar sessions, a comprehensive integration of various disciplines of the global studies program and a senior project, individually designed in co-operation with the instructor. A capstone and writing-intensive course.

HCOR - HONORS CORE
Honors College

HCOR 221 Honors Humanities I (3-0-3), on demand. Humanities survey of world civilization from ancient times through medieval. Emphasizes history, literature and art with some attention to philosophy, science and other fields. Prerequisite: Admission to Honors College. Meets requirement for ENGL 231 or HIST 117.

HCOR 222 Honors Humanities II (3-0-3), on demand. Humanities survey of world civilization from 15th through 18th centuries. Emphasizes history, literature and art with some attention to philosophy, science and other fields. Prerequisite: Admission to Honors College. Meets requirements for ENGL 231, ENGL 232, HIST 117 or HIST 118.

HCOR 223 Honors Humanities III (3-0-3), on demand. Humanities survey of world civilization from 19th century to present. Emphasizes history, literature and art with some attention to philosophy, science and other fields. Prerequisite: Admission to Honors College. Meets requirement for ENGL 232 or HIST 118.

HED - HEALTH EDUCATION
Department of Kinesiology and Nutrition (CEHS)

HED 112 Personal Health and Human Disease (3-0-3), fall, spring. Emphasizes personal health knowledge and practices needed for effective living. Study of human diseases with special consideration for preventive measures.
HIED 652 Foundations of Enrollment Management (3-0-3), spring. This course provides students with a historical overview of enrollment management, significant concepts related to the field, and professional foundations on which to build.

HIED 654 Approaches to Marketing, Recruitment and Selection (3-0-3), spring. This course provides students with tools with which they can use to develop an ethical and effective marketing and recruitment plan that will align well with the educational and enrollment goals of their institutions.

HIED 656 Pricing and Financial Aid in Enrollment Management (3-0-3), spring. This course provides an understanding of the array of issues in regards to tuition pricing, financial aid, rising student debt, net tuition revenue and their effect on student enrollment and university budget.

HIED 658 Retention and College Student Success (3-0-3), spring. This course emphasizes the continuing nature of enrollment management once students enroll as freshmen. Topics and competencies will provide a solid understanding of the importance of student retention as it relates to overall college student success.

HIED 693 Supervised Practicum (1-2-3). A supervised experience in an appropriate higher educational setting designed to integrate professional experience with theory learned throughout the higher education curriculum. The internship is designed to create actual experiences and responsibilities of a professional position. A minimum of 150 clock hours of supervised experience plus weekly class meetings are required. Prerequisite: Students must pass qualifying exams before enrolling in practicum. Repeat up to 6 hours.

HIED 694 HIED Residency (0-0-0), summer. The higher education residency is designed to help students explore and assess career options and opportunities that are relevant to rising practitioners. In addition, this residency serves to reinforce salient issues explored in Higher Education coursework that face practitioners. Prerequisite: Be admitted to the HIED program and be in good academic standing.

HIED 695 Internship with Embedded Capstone (3-0-3). A supervised experience in an appropriate higher educational setting designed to integrate professional experience with theory learned throughout the higher education curriculum. The Capstone portion of the course is the culminating academic event for all higher education master’s degree students in the online program. A Capstone Course

HIST - HISTORY

Department of History and Global Studies (CAS)

HIST 117 Civilization I (3-0-3), fall, spring. Survey of the social, economic, religious, political and aesthetic activities of western civilization from the earliest times to 1660. May be used to satisfy University Requirements.

HIST 118 Civilization II (3-0-3), fall, spring, summer. Survey of the social, economic, religious, political and aesthetic activities of western civilization from 1660 to the present. May be used to satisfy University Requirements.

HIST 131 World History: Cultures and Connections since 1400 (3-0-3), fall, summer. Survey of the economic, political, and cultural interactions between major world regions and civilizations from the fifteenth century to the present, with attention to major global processes and movements. May be used to satisfy University Requirements.

HIST 221 American History I (3-0-3), fall, spring, summer. Survey of cultural, economic and political dimensions of America from the early explorations to 1877. May be used to satisfy University Requirements.

HIST 222 American History II (3-0-3), fall, spring, summer. Survey of cultural, economic and political dimensions of America from 1877 to the present. May be used to satisfy University Requirements.

HIST 250 Introduction to American Ethnic and Women's Studies (3-0-3), fall. An introductory survey, within a Christian context, of race, class and gender in American society, including topics on how they are defined, their historical development, their impact on religion, politics, education, and other cultural issues. May be used to satisfy University Requirements.

HIST 353 Historical Methods (3-0-3), fall. A seminar in the methodology and techniques of historical research designed to help students develop skills for investigation and composition. Prerequisite: Three hours of 100-299 history. A writing-intensive course.

HIST 402 Nation Building: The United States in the Age of Jefferson and Jackson (3-0-3), spring, odd years. Political and social developments of the United States from the era of Revolution through the Early Republic. Prerequisite: Completion of three hours of 100-299 history.

HIST 403 Jacksonian America, 1824-1850 (3-0-3), spring, even years. A survey of social, political and cultural developments in the United States from 1824-1850. Prerequisite: Three hours of 100-299 history.

HIST 404 The Gilded Age/Progressive Era in the United States (3-0-3), fall, odd years. An examination of the major trends of the Gilded Age and Progressive Era (1877-1920) including religion, gender, ethnicity, immigration, farm/labor movements and other major social, economic, and political events and the approaches historians have taken to understanding these elements. Prerequisite: Three hours of 100-299 history.

HIST 405 Coming of Age: The United States in the Twentieth Century (3-0-3), fall, odd years. Examines patterns of growth and modernization of the U.S. economy and society in the transition from emerging developing nation to leadership and power in the Twentieth Century world. Prerequisite: Three hours of 100-299 history.

HIST 408 Mesopotamia: Cradle of Civilization (3-0-3), spring, odd years. Survey of cultural, economic, political, and military developments in the ancient Mesopotamia and the Near East down to the Persian Empire.

HIST 409 Homer’s Children: The World of Ancient Greece (3-0-3), spring, even years. Survey of cultural, economic, political, and military developments in ancient Greece.

HIST 410 The Ancient Roman World (3-0-3), fall, even years. Survey of cultural, economic, political, and military developments in ancient Roman Republic and Empire.

HIST 413 The Medieval Era (3-0-3), fall, even years. A social, political, philosophical and religious survey of the Medieval era of European history (c500-1500). Prerequisite: Three hours of 100-299 history.

HIST 414 Islam and the West (3-0-3), fall, odd years. Cultural, political, and religious developments in the history of Islam with special attention to interactions with western cultures. Prerequisite: Three hours of HIST 100-299.

HIST 416 Near East in Modern Times (3-0-3), spring, odd years. Ideological, political and socio-economic development of the Near East from about 1900, with special attention to imperialism, nationalism and modernization. Prerequisite: Junior standing or completion of three hours of 100-299 history.

HIST 418 Britain and Empire, 1689-present (3-0-3), spring, even years. This course examines the major events of modern British history from the Glorious Revolution to the present. While providing a continuous narrative of major political, social, and economic developments, the course explores British national identity, imperialism, gender relationships, religious belief, and class culture and conflict. Prerequisite: Junior standing or completion of three hours 100-299 history.

HIST 419 Revolution and Empire: Europe in the Long Nineteenth Century (3-0-3), spring, odd years. This course examines Europe’s “long nineteenth century,” from the French Revolution (1789) to the Great War (1914), a century in which nationalism, revolution, empire, and technology brought Europe global power, but also paved the way
Reformation Eras

the early modern period, from the mid-14th to mid-17th century, with an attention to Renaissance humanism as expressed in the arts, literature, and individual self-fashioning, and to changes in both elite and popular religious belief and practice as a result of the Protestant and Catholic Reformations. Prerequisite: Junior standing or completion of three hours of 100-299 history.

HIST 474 Europe in Crisis: Dictatorship and Division since 1914 (3-0-3), fall, odd years. Offers an in-depth study of European history from the Great War of 1914-1918 to the present, including comparative discussion of the twentieth-century totalitarian dictatorships, geopolitical realignments as a result of World War II and the Cold War, the shifting definitions of “European identity,” and the rise of modern terrorism. Prerequisite: Junior standing or completion of three hours of 100-299 history.

HIST 477 Third Reich (3-0-3), on demand. Examination of Germany under Hitler and National Socialism, the roots of Nazism in German history, the tragedy of the Weimar Republic, Nazism in social practice, and the Second World War. Prerequisite: Junior standing or completion of three hours of 100-299 history.

HIST 478 Encounters: Latin America to 1830 (3-0-3), spring, even years. Explores the formation of the Latin American cultures, with attention to pre-Columbian civilizations, “encounters” between indigenous Americans, Iberians, and Africans that resulted in hybrid societies, and the various movements for national independence from Spain and Portugal. Prerequisite: Junior standing or completion of three hours of 100-299 history.

HIST 479 Latin American Modern Era (3-0-3), spring, odd years. A survey of Latin American peoples and nations, stressing significant cultural, political and economic developments since independence. Prerequisite: Junior standing or completion of three hours of 100-299 history.

HIST 480 Texas History (3-0-3), fall, even years. The history of Texas from prehistoric times to the present. Prerequisite: Junior standing or completion of three hours of 100-299 history.

HIST 481 Colonial America (3-0-3), spring, odd years. Surveys the exploration of the new world, the founding of colonies in North America, westward expansion, Indian relations, and the role of religion, 1600-1763. Prerequisite: Junior standing or completion of three hours of 100-299 history.

HIST 482 The American South (3-0-3), spring, even years. An examination of the social, religious, and political evolution of the American South from the colonial era to the modern period. Prerequisite: Junior standing or completion of three hours of 100-299 history.

HIST 483 Legacies of Conquest: Empire and the Growth of the American West (3-0-3), spring, even years. The advance of the American West from colonial times through the first half of the Twentieth Century, including the military, economic, social, and political consequences of manifest destiny and expansion on people and places in the emerging American frontier. Prerequisite: Junior standing or completion of three hours of 100-299 history.

HIST 484 A Clash of Cultures: The Civil War in Nineteenth Century America (3-0-3), spring, odd years. Explores the military, economic, social, and political impact of the U.S. Civil War on the developing institutions of national life. Prerequisite: Junior standing or completion of three hours of 100-299 history.

HIST 485 Russia (3-0-3), on demand. Russian history from Kievan times to the present, with special emphasis on the Soviet Union and Communist ideology. Prerequisite: Junior standing or completion of three hours of 100-299 history.

HIST 486 War and Society (3-0-3), spring, even years. A survey of warfare from the fifteenth century to 1945. The course explores the development of warfare in Europe and the Americas and examines the impact of developing the power on a global world. Prerequisite: Junior standing or completion of 6 hours of lower level history.

HIST 490 The Cosmic Race: A History of Mexico (3-0-3), fall, odd years. This broad treatment of the Mexican experience from early indigenous societies to the present highlights cultural identity formation in a nation once described as “the Cosmic Race.” Prerequisite: Junior standing or completion of three hours of 100-299 history.

HIST 495 Far East in Modern Times (3-0-3), fall, even years. The uniqueness of Asian backgrounds and experiences, with attention to American and European relations with Asia. Prerequisite: Junior standing or completion of three hours of 100-299 history.

HIST 496 History for Teachers (3-0-3), fall. Analyzes significant people, events, and issues from the earliest times to the present by integrating American, European, and non-Western history into a unified whole. Prerequisites: HIST 117, 118, 221, 222, 480; six additional hours of upper-level history. This course is for teacher certification only. It does not fulfill University Requirements nor does it fulfill U.S. or non-U.S. history requirements for the B.A. in History.
HIST 516 Near East in Modern Times (3-0-3), spring, odd years. Ideological, political and socio-economic development of the Near East from about 1900, with special attention to imperialism, nationalism and modernization.

HIST 552 Historical Documentary Production (3-0-3), fall, odd years. Focuses on researching, developing, writing and producing historical documentaries. The object will be to instill into the student the basic philosophy of visual presentation of historical materials for a general audience and the practical methods of achieving those ends.

HIST 554 Public History Field School (4-6-6), summer. Students live and work in a late 19th century/early 20th century setting and participate in fieldwork in public history. Students apply classroom knowledge and experience in the field and develop new skills under the supervision of the instructor and other public history professionals. Laboratory graded and credited with the course. Travel required. Special travel fee.

HIST 555 Social and Ethnic History in U.S. (3-0-3), spring, odd years. The course of American social and ethnic development from the end of the colonial era to the present.

HIST 574 Europe in Crisis: Dictatorship and Division since 1914 (3-0-3), fall, odd years. Offers an in-depth study of European history from the Great War of 1914-1918 to the present, including comparative discussion of the twentieth-century totalitarian dictatorships, geopolitical realignments as a result of World War II and the Cold War, the shifting definitions of “European identity,” and the rise of modern terrorism.

HIST 577 Third Reich (3-0-3), on demand. Examination of Germany under Hitler and National Socialism, the roots of Nazism in German history, the tragedy of the Weimar Republic, Nazism in social practice, the Second World War.

HIST 578 Encounters: Latin America to 1830 (3-0-3), spring, even years. Explores the formation of the Latin American cultures, with attention to pre-Columbian civilizations, “encounters” between indigenous Americans, Iberians, and Africans that resulted in hybrid societies, and the various movements for national independence from Spain and Portugal.

HIST 579 Latin American Modern Era (3-0-3), spring, odd years. A survey of Latin American peoples and nations, stressing significant cultural, political, and economic developments since independence.

HIST 580 Texas History (3-0-3), fall, even years. The history of Texas from prehistoric times to the present.

HIST 581 Colonial America (3-0-3), spring, odd years. Surveys the exploration of the new world, the founding of colonies in North America, westward expansion, Indian relations, and the role of religion, 1600-1763.

HIST 582 The American South (3-0-3), spring, even years. An examination of the social, religious, and political evolution of the American South from the colonial era to the modern period. A writing-intensive course.

HIST 583 Legacies of Conquest: Empire and the Growth of the American West (3-0-3), fall, even years. The advance of the American West from colonial times through the first half of the Twentieth Century, including the military, economic, social, and political consequences of manifest destiny and expansion on people and places in the emerging American frontiers.

HIST 584 A Clash of Cultures: The Civil War in Nineteenth Century America (3-0-3), spring, odd years. Explores the military, economic, social, and political impact of the U.S. Civil War on the developing institutions of national life.

HIST 585 Russia (3-0-3), on demand. Russian history from Kievan times to the present, with special emphasis on the Soviet Union and Communist ideology.

HIST 595 Far East in Modern Times (3-0-3), fall, even years. The uniqueness of Asian backgrounds and experiences, with attention to American and European relations with Asia.

HIST 681 Problems in American History (3-0-3), on demand. A topical seminar in American history.

HIST 699 Master's Thesis (0-0-6)*. May be repeated

HON - HONORS PROJECT
Honors College

HON 301 Honors Project: Research (hours will vary, non-credit), fall, spring, summer. Students conduct supervised research in an area of special interest. See Honors College office for approval from and registration. May be repeated. Participation fee.

HON 302 Honors Project: Travel (hours will vary, non-credit), fall, spring, summer. Students complete projects associated with approved travel experiences within the country or abroad. See Honors College office for approval form and registration. May be repeated. Participation fee.

HON 303 Honors Project: Service (hours will vary, non-credit), fall, spring, summer. Students apply the principles of service learning to supervised projects. See Honors College office for approval form and registration. May be repeated. Participation fee.

HON 304 Honors Project: Creative (hours will vary, non-credit), fall, spring, summer. Guided by a faculty member, students apply their talents to works of music, creative writing, theater, the visual arts, film, and other creative outlets. See Honors College office for approval and registration. May be repeated. Participation fee.

HON 305 Honors Project: Internship (hours will vary, non-credit), fall, spring, summer. Students participate in approved internships. See Honors College office for approval form and registration. May be repeated. Participation fee.

HON 306 Honors Project: Co-curricular (hours will vary, non-credit), fall, spring, summer. Students participate in approved co-curricular projects supervised by a faculty member. See Honors College office for approval form and registration. May be repeated. Participation fee.

HON 307 Honors Project: Special (hours will vary, non-credit), fall, spring, summer. See the Honors College dean or advisor to arrange for a project that does not seem to fit in any other category. See Honors College office for approval form and registration. May be repeated. Participation fee.

HON - HONORS COLLOQUIUM
Honors College

HON 401, 402, 403, 404, 405, 406, 407, 408, 409 Honors Colloquium (3-0-0), fall, spring, summer. See Semester Schedule for current offerings. May be repeated as content varies. Same as HON 411-419 but non-credit.

HON 411, 412, 413, 414, 415, 416, 417, 418, 419 Honors Colloquium (3-0-1), fall, spring, summer. Short course, interdisciplinary, varying topics. See Semester Schedule for current offerings. May be repeated as content varies. Prerequisites: Admission to Honors College. Colloquia are generally taken beginning in the fourth semester. Some colloquia charge special fees for materials, travel, or equipment. Same as HON 401-409.

HUMAN COMMUNICATION (SEE COMM - COMMUNICATION)
HUM 212 Oxford Through the Ages (3-0-3), fall, spring. Explores the political, social and cultural history of Oxford by employing the city's parks, museums, churches and colleges as primary texts. Students will experience the sites and spaces in which Oxford's history has unfolded, as well as comprehend the social environment that has inspired writers and artists for centuries. Available only to students enrolled in ACU's Oxford Study Abroad program.

HUM 217 Latin America and the Arts (3-0-3), fall, spring. Offers an introduction to the arts in Latin America, with an emphasis on the twentieth century. Available only to students enrolled in ACU's Montevideo, Uruguay, Study Abroad program.

HUM 222 Western Heritage in England (6-0-6), fall, spring. A study integrating British literature (emphasizing but not limited to coverage of the 18th century to the present) and the social, economic, religious, political and aesthetic activities of western civilization from 1660 to the present. Will satisfy the same University Requirements as HIST 118 and ENGL 222. Course is offered only at the Study Abroad program in England. Students who receive credit for HUM 222 may not register for HIST 118 or ENGL 222. Travel required.

HUM 252 American Identity in the Modern Era (3-0-3), fall. Combines the related fields of history, fine art, and literature to explore the formation of disparate American identities during the Modern Era (1918-1970). Prerequisites: ENGL 111 and 112 or equivalent.

INTERIOR DESIGN (SEE DSGN – DESIGN)

IS - INFORMATION SYSTEMS
Department of Management Sciences (COBA)

IS 322 Business Statistics (3-0-3), fall, spring. Survey of methods of collection, analysis, presentation, and interpretation of business information. Includes methods of sampling, uses of averages, construction of graphs, index numbers, probability, distributions, hypothesis testing, analysis of variance, chi-square, and correlation and regression analysis. Requires the use of contemporary statistical software in a business context. Prerequisite: MATH 130.

IS 324 Management Information Systems (3-0-3), fall, spring. A comprehensive study of organizational needs for information and an introduction to the integrated management information system. Information is studied as an organizational resource. The creation and distribution of managerial and accounting information and the management of that resource are stressed. Operational, tactical and strategic information systems are analyzed. Prerequisites: BUSA 120; 48 earned hours.

IS 330 Business Geographic Information Systems (3-0-3), spring. Survey of the concepts and tools of geographic information systems (GIS), along with their specialized applications to the analysis and solution of business problems, such as market research, facility site selection, and product distribution. Includes overview of GIS terminology, access to spatially-referenced databases, and use of contemporary GIS software. Prerequisite: IS 322, Business Statistics (or equivalent course in statistical methods); Junior standing.

IS 342 Business Decision Support Systems (3-0-3), spring. Design and implementation of computer-based business decision support systems using commercially-available business intelligence software such as SAS. Emphasizes the role that knowledge management, analytics, business intelligence, and decision support technologies, such as dashboards and executive information systems (EIS), play in successful organizations. Includes coding and application development exercises. Prerequisites: IS 322, Business Statistics (or an equivalent course in statistical methods); Junior standing.

IS 405 Systems Analysis and Design (3-1-3), spring. Fundamental principles and methodologies of system analysis and design. Presents the systems development life cycle, with specific emphasis on planning, problem definition, specification of structured system requirements, information gathering, data and process modeling techniques, logical and physical design, feasibility assessment, and implementation and maintenance issues for businesses and organizations. Prerequisite: Junior standing, IS 324 or IT 220.

IS 410 Enterprise Resource Planning (3-0-3), spring. Surveys Enterprise Resource Planning (ERP) systems with emphasis on industry-leader SAP. Provides an overview of the managerial and technical issues in planning, designing, cost justification, and implementation of enterprise systems. Includes business process integration concepts and hands-on software exercises. Prerequisite: IS 324 with a grade of "C" or better, or approval of instructor.

IS 415 E-Commerce (0-3-3), fall. A studio-based course integrating the key business strategies and technology elements of contemporary electronic commerce. Emphasizes the use of Internet technology and the World Wide Web as strategic business tools, and links organizational strategy and business models to networked information technologies. Students gain hands-on experience with e-commerce tools and languages. Prerequisite: Junior standing or department chair consent.

IS 430 Management of Information and Technology Resources (3-0-3), TBA. Surveys contemporary management issues concerning information and technology resources of a firm. Topics include leadership of information systems, technology planning and acquisition, information retention and policy development, develop-vs.-purchase paradigm, legal/ethical/contractual considerations, customer support, staffing and organizational issues, performance metrics, social trends, and emerging technology. Prerequisite: Junior standing. A writing-intensive course.

IS 432 Data Mining (3-0-3), fall. Survey of the emerging technologies used to uncover patterns and associations in large databases for improved decision making in the marketing arena. Prerequisite: IS 322 with a grade of "C" or better. Same as MKTG 432.

IS 499 Information Systems Internship (3-0-3), on demand. Field experience applying information systems knowledge and skills in a professional setting. Prerequisites: IS 324, with a grade of "C" or better; 2.75 or higher GPA in business courses; 2.5 of higher GPA overall; approval from director of Internships. Same as ACCT 499, FIN 499, ITC 499, MGMT 499, and MKTG 499.

IS 524 Management Information Systems (3-0-3). Organizational needs for information and an introduction to the integrated management information system. Information is studied as an organizational resource. The creation and distribution of information and the management of the information resource are stressed. Operational, tactical and strategic information systems are analyzed. Prerequisite: Graduate standing.

IS 605 Systems Analysis and Design (3-0-3). Contemporary principles and methods of systems analysis and design, with emphasis on organizational and management issues. Includes topics in systems theory, comparative definitions and philosophies, the systems life cycle, degrees of complexity, design paradigms, and tools and methods for syntheses and presentation. Also presents selected concepts of project management.

IT - INFORMATION TECHNOLOGY
School of Information Technology and Computing (SITC)

IT 105 Introduction to Mobile Application Development (3-0-3), spring. Introduces the development of applications for mobile computing and technology. Students will learn to program by developing applications for mobile computing devices such as Android, Apple, and Microsoft phones & tablets. Theory concepts, and hand on programming are a part of the class. This course assumes no programming background. Prerequisite: A student may not receive credit for this course after receiving credit for CS 120.

IT 120 Introduction to Information Technology (3-0-3), fall, spring, summer on demand. An introductory survey of modern information technology covering hardware, software, operating systems, networks,
topics include: resource planning, hardware evaluation, acquisition, and practice in the integration and administration of computer systems. Additional emphasis on current trends, emerging technology, ethics, social responsibility, and global economic impacts. Requires previous experience with the Microsoft Office Suite.

**IT 220 Introduction to Databases and Database Management Systems (3-0-3), fall, spring.** A survey of the logical and physical organization of data and their importance in computer processing. Introduces data models, relational database design, and associated ideas. Compares modern DBMS software. Examines data as a strategic organizational resource. Students develop the basic SQL scripting skills necessary to create tables, queries, forms, and reports. Provides initial training towards professional database certification. Prerequisite: CS 115 or CS 120.

**IT 221 Fundamentals of Networking and Data Communications (3-0-3), fall, spring.** A first course in data communications and networking. Topics include: IP networks and services, comparative network configurations and communications protocols, function and purpose of physical network components, resource sharing, client-server systems, administrative issues, and policies and tools, and industry standards. Provides initial training towards professional network certification. Laboratory graded and credited with course. Prerequisite: CS 115 or CS 120.

**IT 225 Web Technologies (3-0-3), fall, spring.** An introduction to the development of web pages used to display images, tables, forms, and frames. Topics include HTML, cascading style sheets, server- and client-side scripting, applets, and web databases and security. Also introduces Internet browsers, user computer configurations, standard protocols, XML compatibility, Dynamic HTML, and accessibility issues. Prerequisite: IT 220; CS 116 or CS 120.

**IT 310 Introduction to Computer and Information Security (3-0-3), spring.** A survey of the fundamental concepts of computer and information security, including policies and technologies used to achieve secure networks, systems, computing facilities, and information resources. Topics include common system vulnerabilities and threats; models and mechanisms for mandatory, discretionary, and role-based access controls; authentication technologies; ethical issues; and related ideas. Provides initial training towards professional database certification. Prerequisite: IT 220 or 221.

**IT 320 Database Administration (3-0-3), spring, even years.** A comprehensive presentation of the concepts and techniques of modern database administration. Topics include: system/software evaluation, selection, installation, operations, and maintenance; capacity planning and re-engineering; and utilities and tools for trouble-shooting, backup/recovery, and performance monitoring/tuning. Discusses approaches and standards for organizing and managing the database resources, users, and technology of an enterprise. Prerequisite: IT 220.

**IT 325 Web Application Development (3-0-3), spring.** Continuation of Web Development I. Topics include: Rapid Application Development; client- and server-side scripting for user and database interaction; session/cookie management; and privacy and integrity issues. Students learn scripting languages such as JavaScript, Perl, and ASP and develop an understanding of the database object model. Emphasizes satisfying client specifications. Prerequisites: CS 130 or IT 225; IT 220.

**IT 330 Networks II: Routing and Switching (3-0-3), spring.** Examines routing and switching in connection-less and connection-oriented communication networks. IP routing is covered in-depth, including practical configuration and trouble shooting of routing protocols. Connection-oriented switching protocols like MPLS and ATM are also assessed, with emphasis on interworking with IP. Other topics include VLANs, VPNs, and QoS routing and multicasting. Prerequisite: IT 221.

**IT 410 Systems Integration and Administration (3-0-3), fall.** Study and practice in the integration and administration of computer systems. Topics include: resource planning; hardware evaluation, acquisition, installation, and maintenance; file systems; system diagnostics and performance tuning; backup/restore processes; integration of various operating platforms and open source technologies; and user and customer support services. Requires scripting and shell programming. Prerequisites: Completion of all required 100- and 200-level CS and IT courses.

**IT 415 Networks and Security Administration (3-0-3), spring, odd years.** Study and practice in administering and securing a multifaceted network and communications infrastructure. Topics include: network standards, protocols, naming systems, configurations, and services; hardware and operating system interoperability; capacity planning and re-engineering; security requirements and procedures; logging and auditing tools; disaster planning; and trouble-shooting and performance tuning. Emphasizes user and client needs. Prerequisites: IT 221 and 310.

**IT 420 Wireless Networks and Protocols (3-0-3), fall.** Surveys wireless communication concepts, technologies and protocols. Topics covered include the evolution of wireless communication systems, the nature of the wireless medium, techniques for reducing errors on the channel (such as equalization, diversity and channel coding), fundamentals of cellular telephony, and an in-depth study of wireless protocols. Prerequisite: IT 221.

**IT 430 Modern Telecommunications (3-0-3).** A survey of modern telecommunications systems, functions, and mechanisms. Topics include: voice and data services; operation, switching, digital transmission, and traffic engineering; telecommunication networks; and specialized technologies, protocols, and services. Presents best practices in selecting, implementing, and managing enterprise-level telecommunications systems, and discusses the evolutionary impact of telecommunications on society. Prerequisite: IT 221.

**IT 472 Advanced Security (3-0-3), spring, on demand.** Covers the domains of the Information Systems Security Professional Common Body of Knowledge. Domains range from forensics and legal topics to physical and operations security to programming, cryptography and network security. Projects will reinforce and integrate the domains. Prerequisites: IT 310 or CS 230.

**IT 490 Topics in Information Technology (3-0-3)*, on demand.** Examination of an Information Technology topic of current interest. Topics rotate depending on faculty expertise and student interest, with the same topic generally not being offered more than twice. Students may enroll more than once for credit so long as the topics are different. Prerequisites: IT 220, IT 221 and CS 116 or CS 120.

**IT 501 Contemporary Readings in IT (1-0-1), on demand.** Directed readings in the contemporary information technology literature. Includes individual and group discussion with the instructor, and either oral or written summary presentations. May be repeated for 3 hours of credit.

**IT 610 IT Services and Administration (3-0-3), fall.** Presents contemporary topics affecting the day-to-day operational aspects of an IT organization, including asset tracking, customer care, human resources, support services and service metrics, budgeting, capacity planning, vendor relationships, and contracting and purchasing.

**IT 615 IT Innovation and Entrepreneurship (3-0-3), spring.** Concepts and frameworks for creating, commercializing, and profiting from technology-based products and services. Specifically explores issues currently affecting the field of information service management and related information technologies, and presents the conceptual foundation for managing information technology innovation.

**IT 620 Information Assurance and Control (3-0-3), fall.** Investigates the impacts of technology on data quality and reliability. Covers foundations of IT security, encryption and authentication, the value of information as a strategic resource, data quality issues, information security standards, and contemporary principles of knowledge management.
IT 625 Enterprise Architectures and Systems (3-0-3), fall, spring. Examines the processes and models that drive continuous organizational and technology alignment to optimize workflows, resource sharing, and access to services. Focuses on the supporting role of IT infrastructures in business process management. Additional topics include standards and best practices, service oriented architectures, global supply chains, and virtual technologies.

IT 630 IT Governance (3-0-3), fall, spring. Presents the contemporary principles of IT governance, with specific focus on IT strategy, policy issues, performance metrics, internal controls, and ethical practice. Addresses issues in data retention, confidentiality, financial accountability, disaster recovery, and protection of intellectual property.

IT 650 Internship in Global IT Operations (0-3-3), spring, summer. A focused internship with an international or multinational organization that conducts business through a global IT network. Participants are involved in the day-to-day IT operations of the organization for approximately six weeks. Placement at an international site is preferred. Requires documentation of work and submission of a reflective paper.

IT 651 Leading IT Innovation in Education: Problem Analysis (3-0-3), rotating basis. Systemic problem identification associated with integrating emerging digital innovations in education. Prerequisite: Admission to graduate school and/or digital leadership of learning certificate program.

IT 652 Leading IT Innovation in Education: Solution Analysis (3-0-3), rotating basis. Systemic solution evaluation, design, and development associated with integrating emerging innovations in education. Prerequisite: Admission to graduate school and/or digital leadership of learning certificate program.

IT 660 Work-Product Portfolio (0-0-6)*, spring. Submission of a portfolio of work products and reflective experiences pertaining to IT operations in a corporate or other organizational environment. The portfolio must demonstrate breadth of experiences and knowledge, and may include examples that are either technical or administrative in nature. Up to six credit hours may be awarded. Prerequisite: Graduate standing.

ITC – INFORMATION, TECHNOLOGY, AND COMPUTING
School of Information Technology and Computing (SITC)

ITC 110 Introduction to Information, Technology, and Computing (3-0-3), fall. An introduction to the mindsets, concepts, and skills found in the disciplines of the School of Information, Technology, and Computing.

ITC 460 Managing Technical Projects (3-0-3), fall. Students apply knowledge in their major area an develop project management skills through oral and written analysis of cases and applied projects. Prerequisites: Course must be taken during the last year of the academic program. A capstone and writing-intensive course.

ITC 499 Information Systems Internship (3-0-3), on demand. Field experience applying knowledge and skills from School of Information Technology and Computing disciplines in a professional setting. Prerequisites: Completion of all required 100- and 200- level CS, DET, IS, IT, and ITC courses; approval from direction of Internships. Same as ACCT 499, FIN 499, IS 499, MGMT 499, and MKTG 499.

JMC - JOURNALISM AND MASS COMMUNICATION
Department of Journalism and Mass Communication (CAS)

JMC 100 Media Issues (3-0-3), fall, spring. An introduction to media, examining their impact on society and individuals. May be used to satisfy University Requirements.

JMC 102 Creating Media Messages (3-0-3), fall, spring. The understanding and practice of writing messages for mass media, focusing on the purpose, design, format, and audiences of written media messages, and an introduction to critical thinking. Prerequisite: GPS proficiency as defined in departmental requirements.

JMC 111 Announcing (3-0-3), spring. Develop vocal and on-camera presentation skills to communicate effectively as talent in audio and video contexts. Areas of concentration include enunciation, pronunciation, writing, and interpreting copy.

JMC 201 Introduction to Visual Media (3-1-3), fall, spring, and summers needed. Principles and practice of visual communication including photo and video production using industry tools and techniques with an emphasis on digital storytelling. Prerequisite: JMC 100.

JMC 223 Convergence Reporting I (3-1-3), fall, spring. A study of the nature of news; the reporter's three-fold role of reporting, researching, and writing; and the basic news forms for online, print and broadcast media. Prerequisites: JMC 100 and 201.

JMC 233 Photography (3-0-3), fall, spring. A study of the principles of photography with an emphasis on controlling exposure, digital production, analyzing photographs and creating images for publication. Requires use of instructor-approved digital camera. Prerequisite: JMC 201.

JMC 261 Broadcast Production (3-3-3), fall. Principles and practices of video and audio production with an emphasis in studio and field recording techniques. Prerequisite: JMC 201.

JMC 302 Introduction to Race and Media (1-0-1), fall, spring, summer on demand. Short course, varying topics related to race in JMC professions. JMC 302 may not be repeated. (A companion course, JMC 303, must be repeated once.) See Semester Schedule for current offerings. Colloquia are generally taken beginning in the fourth semester and may charge special fees for materials, travel or equipment. Prerequisite: Open to JMC majors and minors; also available by permission of instructor. Colloquia are generally taken beginning in the fourth semester.

JMC 303 Colloquium in Race and Media (1-0-1), fall, spring, summer on demand. Short course, varying topics related to race in JMC professions. JMC 303 may not be repeated. JMC 303 must be repeated once. See Semester Schedule for current offerings. Colloquia are generally taken beginning in the fourth semester and may charge special fees for materials, travel or equipment. Prerequisites: Open to JMC majors and minors; also available by permission of instructor. Colloquia are generally taken beginning in the fourth semester.

JMC 317 Electronic Media Principles (3-0-3), fall, odd years. An examination of electronic media principles, covering such topics as history, technology, regulation, news, advertising, programming, audience research, business practices, social impact, ethics, and careers. Prerequisite: JMC 102 or 223; 201 and completion of 60 hours.

JMC 321 Student Media Lab (0-1-No credit), fall, spring. This lab experience will enhance the practice of relevant skills through participation on a student media or agency staff. Two semesters are required. Convergence Journalism majors spend both semesters on the JMC Network. Ad/PR majors spend at least one of the required two on the Morris & Mitchell staff. Multimedia majors spend at least one of the required two on the 99 West staff. Prerequisites: Sophomore standing and permission of the instructor. Graded credit/no credit. Fee required.

JMC 324 Convergence Reporting II (3-1-3), spring. A study of online, print and broadcast news media with an emphasis on public affairs reporting, computer assisted reports, in-depth reporting, ethics, and laboratory work in the JMC Network student media lab. Prerequisite: JMC 223.

JMC 341 Editing and Content Management (3-0-3), spring. Principles and practice of editing and content management and writing display copy. Prerequisite: JMC 223.

JMC 342 Communication Design (3-3-3), fall, spring, and summer as needed. Principles of design and practices in print and digital formats, graphic information design, typographic presentation and history of publishing. Prerequisite: JMC 201.
JMC 347 Principles of Public Relations (3-0-3), fall. Survey of the history, principles and tactics of public relations and corporate communications, with an emphasis on how organizations use public relations to maintain goodwill among their various publics and meet strategic objectives. Prerequisites: JMC 100; 102 or 223; 201.

JMC 348 Principles of Advertising (3-0-3), spring. Survey of the history, principles and practice of advertising, with an emphasis on the strategic process: research, creative and media strategy, production of messages, and evaluation of advertising effectiveness. Prerequisites: JMC 100; 102 or 223; 201.

JMC 351 Web Publishing (3-0-3), fall, spring. A conceptual and practical study of the principles and tools of Web publishing. Prerequisites: JMC 201; 342.

JMC 352 Advanced Web Publishing (3-0-3), fall, odd years. An active study of the theory and application of web publishing techniques emphasizing adaptive, multi-platform design and development principles. Prerequisite: JMC 351.

JMC 361 Advanced Video Production (3-0-3), spring. Active study of the theory and application of commercial video techniques, emphasizing digital filmmaking, motion graphics, compositing, research and production management. Prerequisite: JMC 261.

JMC 364 Media and Religion (3-0-3), fall, even years. A study of the interaction of media and religion and the use of media by religious groups, with varying emphases depending upon current events and student needs. Prerequisite: Junior standing.

JMC 367 Social Media (3-0-3), spring. A study of social media and the place of those tools in professional communication.

JMC 389 Public Relations Writing (3-0-3), fall, spring. A study of professional writing skills and formats commonly used in public relations and marketing communications. Emphasis placed on learning through application, case studies and lab exercises. Prerequisites: JMC 102 or 223; JMC 347.

JMC 390 Advertising Creativity and Copy Writing (3-0-3), fall, spring. Study and practice in message strategy, development and creation including market and target audience analysis, idea generation, concept development and copywriting with application to all major media. Prerequisites: JMC 102 or 223, JMC 342 and JMC 348.

JMC 391 Ad/PR Media Planning (3-0-3), fall, odd years. Study and practice in evaluating and selecting media for marketing communications. Emphasis on strategy, audience measurement, budgeting, scheduling, buying and plan writing. Prerequisites: JMC 347; 348.

JMC 405 Visual Portfolio (1-0-3), on demand. Designed for the senior multimedia or convergence journalism majors under collaborative instruction from an advisor or mentor for the preparation of a visual portfolio that showcases the student's talents and abilities in the field of mass communication. Prerequisites: Senior standing; JMC 360 or 352.

JMC 438 Broadcast News (3-0-3), spring, odd years. A study of news gathering, writing and production for broadcast. Lab work includes news preparation and presentation on the campus radio or television station. Prerequisites: JMC 324; 360.

JMC 441 Topics in Convergence Journalism (3-0-3), fall. Intensive study of an issue or current topic in modern journalism. Applies advanced journalism principles. May be repeated for a maximum of 6 hours of credit. Prerequisites: JMC 223 and 324.

JMC 449 Opinion Writing (3-0-3), spring, even years. A theoretical and practical study of the editorial and column in the news media. Emphasis on critical thinking and writing about current problems. Prerequisites: JMC 223 and Junior standing.

JMC 450 Feature Writing (3-0-3), fall, even years. A study of newspaper and magazine feature articles. Emphasis on identifying subjects, research, interviewing, and writing. Prerequisites: JMC 223 and Junior standing.

JMC 465 Documentary Storytelling (3-0-3), fall, odd years. Principles and practices of documentary storytelling. Students will experience all areas of production while planning, producing, and editing documentary projects. Prerequisites: JMC 261 or Instructor Approval. Fee required.

JMC 488 Communication Law (3-0-3), fall, spring. Freedom and responsibility of print and broadcast media ethically and legally. First Amendment principles and legal philosophy affecting the media and employees. Prerequisites: completion of 60 hours and JMC 102 for majors. A writing-intensive course. Part of the department's capstone experience.

JMC 492 Ad/PR Campaigns (3-0-3), fall, spring. Capstone course in organizing and conducting integrated marketing campaigns; including research, objective setting, strategy development, media selection, message concept and design, budgeting, account management, plan writing and presentation. Prerequisites: Any two of JMC 223, 389, 390, and 391.

JMC 495 JMC Internship (1-0-1), fall, spring. On-the-job training for a minimum of 120 hours under the student's JMC advisor and a supervisor at the internship site. Prerequisites: Senior standing as a JMC major and approval by the internship director. Part of the department's capstone experience.

KINE - KINESIOLOGY
Department of Kinesiology and Nutrition (CEHS)

KINE 100 Lifetime Wellness (1-2-1), fall, spring, summer. Examines the components of health fitness. Evaluates one's current status and shows how to develop and maintain a healthful lifestyle. This is an activity class. Must be used to satisfy Kinesiology University Requirements. For majors only.

KINE 201 Introduction to Sport and Recreation Management (3-0-3), fall only. KINE 201 examines the meaning of sport and recreation management in terms of scope, issues and future trends and provides the student with an overview of the different facets and career opportunities that are available. For majors only.

KINE 206 Strength Training (0-3-1), fall, spring. Theory and practice involving the development of muscular strength and muscular endurance. Fulfills KINE activity requirement. For majors only.

KINE 211 Cross-Training (0-3-1), fall, spring, summer. A conditioning course that focuses on both cardiovascular fitness and muscular strength and endurance. Fulfills KINE activity requirement. For majors only.

KINE 232 Structural Kinesiology (3-0-3), fall, spring. Anatomical foundations and mechanics of human motion; basic principles of motor skills.

KINE 241 First Aid/CPR (3-0-1), fall, spring. Basic first-aid and cardio-pulmonary resuscitation. Special fee required.

KINE 291 Basic Sports Medicine (3-0-3), fall. This is a basic athletic training course providing a study of athletic training room procedures stressing the practical aspects of care and prevention of athletic injuries. The course covers the cognitive, affective and psychomotor objectives of the athletic training procedures.

KINE 296 Care and Prevention of Athletic Injuries (3-0-3), spring. A study of athletic training room procedures stressing the advanced care and prevention of athletic injuries. The format will include lecture, group class discussion, and laboratories concerning the evaluation, prevention, and care of athletically related injuries. Prerequisites: KINE 291, BIOL 291/293, BIOL 292/294.

KINE 301 Risk Management (3-0-3), fall. The purpose of this course is to provide students with an introduction to study the management of risk in a sport and recreation setting.

KINE 302 Medical Terminology (1-0-2), fall, spring, summer. This course is designed to acquaint the student with the language of the medical field, including word roots, prefixes and suffixes. The
terminology will be specific to each system of the body. The course is presented in an electronic format using on-line technology.

**KINE 303 Ethics in Sport and Recreation Management** (3-0-3), spring. The course examines moral and ethical issues pertaining to sport and recreation. Students experience the ethical decision making process through opportunities for critical analysis by drawing upon their philosophical bases.

**KINE 311 Motor Behavior** (3-0-3), fall, summer. This course provides an overview of the major theories in Motor Learning, Motor Control, and Motor Development. Prerequisites: KINE 232; Pre-PT and Pre-OT majors only. A writing-intensive course.

**KINE 321 Sport Practicum** (0-3-1), fall, spring. Actual teaching of an activity strength training class. Prerequisites: KINE 241 and departmental approval. May be repeated for additional credit. For majors only.

**KINE 322 Fitness Practicum** (0-3-1), fall, spring. Actual teaching of an activity aerobics class. Prerequisites: KINE 241 and departmental approval. For majors only.

**KINE 330 Field Experience** (0-3-1), fall, spring, summer. Forty-five clock hours of on-site observation and aide work in a municipal, corporate, or private setting. A contract and daily log are required. May be repeated for additional credit. For majors only.

**KINE 333 Youth Activity Programs** (3-0-3), fall. Theory and practice of activities suited to different age groups.

**KINE 360 Leadership and Management for Health Promotion** (3-0-3), fall. Designed to explore many leadership and management theories and practices with application in health promotion fields. A writing-intensive course.

**KINE 365 Assessment of Injury I** (3-0-3), fall. This course is a study of advanced techniques in management, assessment, and recognition of athletic injuries specifically related to the lower extremity (i.e. toes, foot, ankle, lower leg, knee, pelvis, thigh and lumbar spine). Prerequisites: KINE 291 and KINE 296.

**KINE 366 Assessment of Injury II** (3-0-3), spring. This course is a study of advanced techniques in management, assessment, and recognition of athletic injuries of the upper body. Prerequisites: KINE 291, 296, and 365.

**KINE 372 Exercise Physiology** (3-0-3), fall, spring. An examination of the effects of physical activity upon the human body. Lab required. Prerequisite: KINE 232. Concurrent enrollment in 373 required except for coaching minors.

**KINE 373 Exercise Physiology Lab** (0-1-1), fall, spring. Laboratory experience offering hands-on practice in fitness testing and evaluation using state-of-the-art technology. Prerequisite: KINE 232. Concurrent enrollment in KINE 373 required except for EXSS majors.

**KINE 399 Research Methods in Kinesiology and Nutrition** (3-0-3), fall. A study of the research process in Kinesiology and Nutrition from inception to statistical analysis. The course includes how to read and interpret research reports and how to present a research proposal. Prerequisite: Junior standing.

**KINE 401 Legal Aspects of Sport and Recreation** (3-0-3), spring. The purpose of this course is to provide students with an introduction to the legal aspects of Sport and Recreation. Prerequisite: 2.5 GPA. For majors only.

**KINE 420 Exercise Science Internship** (0-40-3-6), fall, spring, summer. Supervised field experience where the student is involved in a public, commercial, or private agency work environment, experiencing a variety of settings for a minimum of eight weeks (320 hours). Prerequisites: Approval of advisor, KINE 372/373, completion of 90 hours and a GPA of 2.7. Special fee is required. A capstone course.

**KINE 421 Wellness Practicum** (0-3-1), fall, spring. Lab assistant in a Lifetime Wellness class. Prerequisite: Departmental approval. For majors only.

**KINE 450 Personal Training** (3-0-3), fall. This course is designed to prepare students for the successful completion of the National Council on Strength and Fitness Personal Trainer Certification exam. Prerequisites: KINE 372/373.

**KINE 460 Program Planning for Health Promotion** (3-0-3), spring. Designed to provide theoretical application of programming concepts in health promotion fields and practical application in such areas as individualized exercise prescriptions and related program development from start-up to evaluation. Prerequisite: KINE 360.

**KINE 473 Clinical Exercise Physiology I** (3-0-3), spring. A study of the physiology of the cardiovascular system, cardiovascular diseases, and methods of evaluating the various portions of the system. Prerequisites: KINE 232 and KINE 372.

**KINE 475 Physical Activity and Aging** (3-0-3), spring. Overviews the physical process of aging, its effects on other dimensions of life, and the impact of physical activity and its relationship to quality of life. Study of the essential knowledge and skills necessary for physical activity instructors of older adults. Prerequisites: KINE 241, KINE 372/373.

**KINE 477 Therapeutic Exercise** (3-0-3), spring. This course is a study of therapeutic exercises designed to aid and implement a protocol to return athletes to participation. Prerequisites: KINE 291, KINE 296, KINE 365, KINE 366.

**KINE 476 Application and Evaluation of Secondary Physical Education** (3-0-3), spring, summer. The application of specific teaching methods and evaluation techniques in the fields of health and physical education.

**KINE 480 Training Program Design** (3-0-3), fall. Provides an in-depth investigation of the various theories that exist for the development of athletic fitness. Examines periodized training programs in strength, aerobic and anaerobic fitness, and peak performance in several major sports. Prerequisites: KINE 372 and completion of required majors activity courses.

**KINE 485 Clinical Exercise Physiology II** (3-0-3), spring. This course is designed to advance the application of theoretical and practical guidelines of pre-exercise screening, exercise assessment, exercise interpretation, and exercise prescription. Prerequisites: At least Junior standing, KINE 372, 373, 473.

**KINE 490 Special Populations** (3-0-3), spring. An overview of handicapping conditions and a study of special education programming for meeting the individual needs of exceptional students.

**KINE 491 Principles of Coaching** (3-0-3), spring. An advanced course in methods which are common to coaching all sports. Included are program design, psycho-social factors, communication skills, ethics, and contemporary issues. Prerequisite: Junior standing. KINE 232 and 372 recommended.

**KINE 492 Coaching Internship** (0-160-3), fall, spring. Supervised field experience in which the student is contracted as a non-paid coaching assistant in a secondary or collegiate setting for a period of at least 160 hours. Prerequisites: 2.5 GPA, senior standing, KINE 491. Special fee required.

**KINE 498 Biomechanics** (3-0-3), spring. Practical application of analysis, diagnosis, and demonstration as used in a teaching situation. Prerequisite: KINE 232.

**LEAD – ORGANIZATIONAL LEADERSHIP**

*Department of Graduate Studies in Education (CEHS)*

**LEAD 701 Introduction to Doctoral Studies** (3-0-3). Invites Ed.D. students to the academic practices, virtues, and resources of the scholar practitioner. As the entry point to the Ed.D. in Organizational Leadership, this is the first of three courses designed to provide students with a shared foundation of knowledge and skills on which to build their doctoral studies.
LEAD 711 Theories and Practices of Effective Leadership (3-0-3). Examines classical and contemporary theories and styles of leadership and their application to a variety of professional settings. Incorporates the student's experiences and observations regarding leadership from their personal and professional experiences and current work setting. Students will examine principal foundations of leadership, such as one's values, philosophy of life, and beliefs about the nature of humankind. Prerequisite: LEAD 701.

LEAD 714 Self-Assessment in Leadership (3-0-3). Assists students in understanding personal leadership styles including personality type and communication style. Exposes students to relevant literature on emotional intelligence and interpersonal neurobiology as it relates to leadership. Students will reflect upon the role of Christian vocation and calling in their leadership development. Prerequisite: LEAD 701.

MACC - MASTER OF ACCOUNTANCY
Department of Accounting and Finance (COBA)

MACC 603 Contemporary Issues in Accounting Theory (3-0-3), fall. Accounting theory provides a theoretical background from which students learn to understand and evaluate current accounting practice. A conceptual basis for evaluating accounting alternatives is developed and applied, and the accounting profession itself is examined within the larger context of the social, economic, and political forces that help shape it.

MACC 604 Entity Tax Fundamentals (3-0-3), spring. A study of the theory and application of the Federal Income Tax to Corporations, S Corporations, and Partnerships. Particular focus is given to understanding transactions between the entity and its owner(s). Prerequisite: ACCT 304, Admission to MAcc program

MACC 605 Financial Statement Analysis (3-0-3), spring. This graduate level seminar includes (1) financial ratio and trend analysis; (2) financial industry differences analysis; (3) liquidity/solvency assessment; (4) earnings, cash flow, valuation, and risk forecasting; and (5) analyzing international financial reporting issues.

MACC 609 Advanced Auditing (3-0-3), spring. An advanced study of selected topics in auditing. Topics may include risk assessment, internal control evaluation, substantive testing, audit reports, and other professional services. Course methodology may include case analysis, application projects, and research of auditing literature.

MACC 610 Advanced Topics in Financial Accounting and Reporting (3-0-3), spring. A study of advanced financial accounting and reporting issues in areas such as (1) revenue recognition; (2) deferred taxes; (3) pensions; (4) other post-retirement benefits; (5) leases; and (6) the statement of cash flows. Prerequisite: Admission to MAcc program or consent of department chair.

MACC 611 Accounting for Governmental and Non-Profit Entities (3-0-3), fall. The course examines accounting methods for state and local governments, universities, hospitals, and non-profit organizations. A study and analysis is made of the publications of the Governmental Accounting Standards Board. An examination is made of the releases of the Financial Accounting Standards Board that pertain to accounting for nonprofit entities.

MACC 617 Fraud Examination (3-0-3), fall. Principle concepts and skills of fraud investigation are discussed and implemented in a case environment. Course coverage includes an overview of the fraud problem; prevention and detection of fraud; elements of fraud investigation; interview techniques; fraud classifications; and laws governing the prosecution of fraud cases. Prerequisite: Auditing I, Admission to the MAcc program.

MACC 619 Accounting Research (3-0-3), fall. A study and application of research methods in accounting. Research methods and issues will focus on U.S. Federal Taxation, financial accounting, and auditing topics. Research topics and methods are primarily designed to develop skills in analyzing issues, researching current professional standards or regulations and summarizing the research findings.

MACC 621 Advanced Financial Management (3-0-3), fall. Combines lecture and case study methods to focus on (1) advanced capital budgeting analysis; (2) real options; (3) advanced capital structure issues; (4) dividend policy and repurchases; (5) initial public offerings and refunding's; and (6) basic financial options and futures. Prerequisite: Admission to MAcc program or consent of department chair.

MACC 622 Ethics and the Accounting Profession (3-0-3), spring. An examination and critique of accounting and business as social, ethical, moral, and spiritual activities, rather than merely economic events. Alternative systems of ethical reasoning are compared and applied within various decision contexts. The values of integrity, objectivity, and independence are examined as they relate to the accounting profession. Prerequisite: Admission to MAcc program.

MACC 624 Advanced Accounting Information Systems (3-0-3), fall. An in-depth study of the application of information systems knowledge to the accounting environment. Emphasis is upon developing students' abilities to understand and audit the processing of accounting data within the computer environment and the controls that are necessary to assure accuracy and reliability of the accounting system. Prerequisite: Admission to MAcc program or consent of department chair.

MATH - MATHEMATICS
Department of Mathematics (CAS)

MATH 109 Precalculus I (3-0-3), fall, spring. Properties, graphs, and applications of linear functions, quadratic functions, logarithmic functions, exponential functions. Prerequisite: Meet one of the following - MATH SAT score of 500; MATH ACT score of 20; MATW 019; or COMPASS placement into MATH 109. May be taken only by students whose majors require precalculus mathematics or higher (animal science, biology, chemistry, computer science, environmental science, mathematics, physics, or engineering majors, pre-occupational therapy, or pre-physical therapy). A student may not receive credit for this course after receiving credit for MATH 124, 131, 185 or 186.

MATH 120 Quantitative Reasoning (3-0-3), fall, spring. Statistics and data analysis, mathematics of finance, probability, models including ratio, proportion, linear, exponential. Calculator intensive. Prerequisite: Meet one of the following - MATH SAT score of 500; MATH ACT score of 20; or COMPASS placement into MATH 120. For non-science, non-business majors. Will satisfy University Requirements. Same as MATH 120.

MATH 123 Elementary Statistics (3-0-3), fall, spring. Collection, presentation, analysis and interpretation of data, and probability. Analysis includes descriptive statistics, confidence intervals, hypothesis testing, correlation and regression. Prerequisite: Meet one of the following – MATH SAT score of 500; MATH ACT score of 20; or COMPASS placement into MATH 123. Will satisfy University Requirements.

MATH 124 Precalculus II (3-0-3), fall, spring. Rational, trigonometric, exponential, logarithmic, and inverse functions with emphasis on graphical techniques. Further topics may include analytic geometry, polar coordinates, mathematical induction, the binomial theorem, and sequences and series. Prerequisite: MATH 109 or COMPASS placement. A student may not receive credit for this course after receiving credit for MATH 185 or 186.

MATH 130 Finite Math for Applications (3-0-3), fall, spring. Fundamental concepts of mathematics applications for business, economics, and the social and behavioral sciences. Math of finance, sets, introduction to probability, functions and mathematical modeling. Prerequisite: Meet one of the following - MATH SAT of 500; MATH ACT of 20; or COMPASS placement into MATH 130. For COBA,
MATH 131 Calculus for Application (3-0-3), spring. Introduction to differential and integral calculus of algebraic, exponential, and logarithmic functions. Emphasis on applications. Prerequisite: MATH 109, 130 or COMPASS placement. Not for MATH, MASC, or MATT majors. Credit will not be given for more than one of MATH 131 and MATH 185.

MATH 185 Calculus I (3-0-3), fall, spring. Limits, differentiation and integration of elementary functions, applications to curve sketching, max/min problems, rates, and approximations. Units on exponential and logarithmic functions, the trigonometric functions, and inverse trig functions. Prerequisite: MATH 124 or a satisfactory score on COMPASS placement exam. Will satisfy University Requirements. Credit will not be given for more than one of MATH 131 and MATH 185.

MATH 186 Calculus II (3-0-3), fall, spring. Continuation of MATH 185. Techniques for finding antiderivatives, applications of integration including volumes of solids of revolution, arc length, and center of mass. Sequences, infinite series, and polynomial approximation. Prerequisite: MATH 185.

MATH 187 Calculus Computer Laboratory (0-2-1), fall, spring. Introduces students to a computer algebra system and its use in studying calculus. Prerequisite: MATH 131 or MATH 185.

MATH 227 Discrete Mathematics (3-0-3), fall, spring. Elementary set theory, logic, combinatorics, relations, and applications. Prerequisite: CS 120 or MATH 185.

MATH 237 Number and Operations (3-0-3), fall, spring. Study and investigation of concepts related to numbers and their operation; algebraic reasoning with connections to proportionality, expressions, equations and relationships; and mathematical processes to demonstrate mathematical understanding as specified by national and state standards for teaching EC-6 mathematics. Prerequisites: MATH 120, MATH 123, MATH 020/120, or higher. For IDSC and MSMA majors only.

MATH 238 Geometry and Measurement (3-0-3), fall, spring, summer. Study of concepts and principles of geometric structures; attributes of polygons, measurement concepts of 2- and 3- dimensional shapes; fundamentals of measurement; and algebraic reasoning as specified by national and state standards for teaching EC-6 mathematics. Prerequisite: Grade of “C” of better in MATH 237. For IDSC and MSMA majors only.

MATH 247 Number Concepts for Grades 7-12 Teachers (3-0-3), fall. Investigation of rational numbers and operations, proportionality in number (ratios, rates, percentages), and related number concepts and operations taught in high school algebra as specified by national and state standards for teaching grades 7-12 mathematics. Prerequisites: MATH 185. For MTT and MSMA majors only.

MATH 286 Calculus III (3-0-3), fall, spring. Calculus of several variables and elements of vector analysis, including partial derivatives and applications, multiple integrals and applications, gradient, line integrals, surface integrals, divergence and curl of vector functions, and vector integral theorems. Prerequisite: MATH 186.

MATH 287 Projects in Calculus (0-3-1), fall. Project laboratory consisting of calculus projects most of which will be done using a computer algebra system or other applicable software. Prerequisite: Credit in, or concurrent enrollment in, MATH 286.

MATH 309 Algebraic Concepts for Teachers I (3-0-3), fall. An in-depth study of algebraic concepts related to linearity in grades 7-12 mathematics, extending to non-linear relationships taught in high school algebra with an emphasis on mathematical practices and processes as specified by national and state standards for teaching grades 7-12 mathematics. Prerequisite: MATH 185 and MATH 227. For CSMT, MATT, MSMA, and PHMT majors only. Admission to Teacher Education Program required.

MATH 311 Geometric Concepts for Teachers I (3-0-3), spring. Euclidean geometry as an axiomatic system, its properties, geometric relationships, results, uses, and applications. Exploration and application of formal, synthetic, and transformational geometry as specified by national and state standards for teaching grades 7-12 mathematics. Prerequisite: MATH 185 and 227. For CSMT, MATT, MSMA, and PHMT majors only. Admission to Teacher Education Program required.

MATH 325 Linear Algebra (3-0-3), spring. Vectors, linear geometry of three dimensional space, vector spaces, linear systems of equations, linear transformations, matrix algebra, determinants, diagonal matrices, and eigenvalue problems, change of bases in a vector space. Gram-Schmidt process, and unitary matrices. Prerequisite: MATH 186.

MATH 334 Linear Programming (3-0-3), fall, even years. Linear programming models, simplex algorithm, duality theory, and sensitivity analysis. Applications to graphical networks, scheduling problems, dynamic programming, and game theory. Prerequisite: MATH 130 or 227.

MATH 341 Numerical Methods (3-0-3), fall, even years. Survey of elementary numerical methods used in scientific computing applications. Topics include computer representation of integer and real numbers, sequences, series approximations, finite differences, interpolation, curve fitting, numerical differentiation and integration, and roots of a single non-linear equation. Selected algorithms to be solved using the computer. Prerequisites: MATH 186 and CS 120. Same as CS 341.

MATH 351 Abstract Algebra I (3-0-3), spring. Introduction to the abstract fundamentals of algebra. Topics include number theory, fields, polynomials over a field, and field extensions. Introduction to integral domains, rings, and groups. Prerequisites: MATH 227, 325.

MATH 361 Ordinary Differential Equations (3-0-3), fall. Population and predator-prey models; first order equations; systems of first order equations and equilibrium points; oscillations and second order equations; Laplace transforms. Prerequisite: MATH 186.

MATH 377 Statistical Methods I (3-0-3), fall. Measurement concepts and scales, populations versus samples, descriptive statistics, random variables and their properties, sampling processes and distributions, special probability distributions, confidence intervals on means and variances from samples, hypothesis tests, one-way analysis of variance, linear correlation and regression, estimation of proportions, and introduction to contingency tables. Prerequisite: MATH 131 or 185.

MATH 381 Analysis I (3-0-3), fall. A study of the fundamental concepts of calculus including real numbers, convergence, continuity, differentiation, and the integral. Prerequisites: MATH 227, 325.

MATH 397 Mathematics Seminar (2-0-2), spring. Students use mathematical literature, software and technology to improve their problem-solving, writing, and presentation skills. Results are presented in both written and oral form. Prerequisites: CS 115 or CS 120 and MATH 227.

MATH 410 Algebraic Concepts for Teachers II (3-0-3), spring. Algebraic concepts linked to geometry, algebraic habits of mind as seen in non-linear relationships (exponential and logarithmic), recursive thinking, applications of sequences and series with an emphasis on mathematical practices and processes as specified by national and state standards as specified by national and state standards for teaching grades 7-12 mathematics. Prerequisite: MATH 309. For MATT majors only. Admission to Teacher Education Program required.
MATH 412 Geometric Concepts for Teachers II (3-0-3), fall.
Major geometric ideas, their historical development, their connections to grades 7-12, in-depth work with secondary topics of Euclidean geometry, non-Euclidean geometry, conic sections, taxicab geometry, and modeling. Heavy use of dynamic geometry software. Topics are as specified by national and state standards for teaching grades 7-12 mathematics. Prerequisite: MATH 311. For MATT majors only. Admission to Teacher Education Program required.

MATH 432 Introduction to Operations Research (3-0-3), spring, odd years. Mathematics applies to decision-making in business and other large scale operations, probability, queuing theory, inventory theory, Markov theory, and decision analysis. Prerequisite: MATH 334 or linear programming experience.

MATH 442 Numerical Analysis (3-0-3), spring, odd years. Solution of linear systems of equations by direct and iterative methods, matrix inversion, and evaluation of eigenvalues. Selected algorithms to be solved using the computer. Prerequisites: CS 341; MATH 325. Same as CS 442.

MATH 445 Theory of Interest (3-0-3), spring, even years. Annuity functions including present value and accumulated nominal and effective interest and discount rates and the force of interest; applications of interest theory. Prerequisite: MATH 186.

MATH 453 Abstract Algebra II (3-0-3), fall, even years. Topics include polynomials, vector spaces and modules, linear groups, field theory, the structure of the real and complex numbers. Prerequisites: MATH 325, 351.

MATH 463 Partial Differential Equations (3-0-3), spring. Features analytical and computational tools of partial differential equations (PDE’s) that arise as basic models of flows, diffusions, and vibrations. Analytic techniques include separation of variables, eigenfunction expansions, Fourier transform methods, and Greens functions. Prerequisites: MATH 286 and MATH 361. Same as PHYS 463.

MATH 477 Statistical Methods II (3-2-3), spring, even years. Experimental design and analysis of variance, multiple regression analysis, analysis of covariance, time-series analysis, nonparametric methods, and extended concepts of categorical data analysis, including logistic regression and log-linear models. Includes an introduction to contemporary statistical software. Laboratory graded and credited with course and contains lecture with software instruction. Prerequisite: MATH 377.

MATH 478 Mathematical Statistics (3-0-3), spring, odd years. Distributions of random variables and functions of random variables, conditional probability, stochastic independence, some special probability distributions, limiting distributions and estimation. Prerequisites: MATH 286, 377.

MATH 483 Analysis II (3-0-3), spring, even years. A theoretical discussion of the topology of the real numbers and of metric spaces with applications. Prerequisites: MATH 325, 381.

MATH 490 Topics in Mathematics (3-0-3).* Studies in topics of current interest. May be repeated for additional credit. Prerequisite: Consent of the instructor.

MATH 497 Mathematics Capstone (2-0-2), fall. Students explore the historical development of some of the basic concepts of modern mathematics; examine cultural, political, and religious issues; and explore important problems on which mathematicians have focused throughout history. Includes research and presentation of findings in both written and oral form. Prerequisite: MATH 397. A capstone and writing-intensive course.

MATW - MATHEMATICS WORKSHOP
Department of Mathematics (CAS)

MATW 019 Basic Mathematics (0-3-2), fall, spring. Preparation for MATW 120 or MATW 130. It will make use of technology-based instruction in a classroom/computer laboratory environment. Students will have instruction on topics of importance to them. The course may also be used to enable students wishing to enroll in MATH 109, 123 or 237 to prepare to meet the prerequisites for those courses. Does not satisfy the University Requirements mathematics requirement and is non-graduation credit, graded pass/fail.

MATW 020 Quantitative Reasoning Workshop (0-2-1), fall, spring. Students will develop skills needed in MATW 120 as they are proceeding in the course. Particular attention will be paid to calculator skills and problem solving skills. Concurrent enrollment in an associated section of MATW 120 required. Does not satisfy the University Requirements mathematics requirement and is non-graduation credit.

MATW 030 Finite Math for Application Workshop (0-2-1), fall, spring. Students will develop skills needed in MATW 130 as they are proceeding in the course. Particular attention will be paid to calculator skills and problem solving skills. Concurrent enrollment in an associated section of MATW 130 required. Does not satisfy the University Requirements mathematics requirement and is non-graduation credit.

MATW 120 Quantitative Reasoning (3-0-3), fall, spring. Statistics and data analysis, mathematics of finance, probability, models including ratio, proportion, linear, exponential. Calculator intensive. Concurrent enrollment in MATW 020 required. Prerequisite: Meet one of the following - MATH SAT score of 400-490; MATH ACT score of 17-19; or a passing grade in MATW 019. For non-science, non-business majors. Will satisfy University Requirements. Same as MATH 120.

MATW 130 Finite Math for Applications (3-0-3), fall, spring. Fundamental concepts of mathematics applications for business, economics, and the social and behavioral sciences. Math of finance, sets, introduction to probability, functions and mathematical modeling. Prerequisite: MATH SAT score of 400-490; MATH ACT score of 17-19; or a passing grade in MATW 019. For COBA, information technology, and agribusiness majors only. Concurrent enrollment in MATW 030 required. Will satisfy University Requirements. Same as MATH 130.

MGMT - MANAGEMENT
Department of Management Sciences (COBA)

MGMT 305 Foundations of Entrepreneurship (3-0-3), fall, spring. Introduces students to the entrepreneurial process. Students will examine entrepreneurship as a calling in their life and career and assess their own aspirations and skills as they relate to entrepreneurship. The course also includes a focus on opportunity recognition and evaluation. Prerequisites: Sophomore standing and a GPA of 2.5 or higher.

MGMT 320 Social Entrepreneurship (3-0-3), fall, spring. Social Entrepreneurship will prepare students to start or join a business that has a social mission at its core. These businesses may utilize for-profit, nonprofit, or hybrid structures. Topics covered include personal and organizational mission, balancing mission and profit, choosing the optimal structure, networking, social media, measuring success, and expansion. Prerequisites: Sophomore standing and GPA of 2.5 or higher.

MGMT 330 Management and Organizational Behavior (3-0-3), fall, spring. An introduction to the process of managing and working effectively with people. Emphasis is given to clarifying and sharpening management values, knowledge, and skills with special focus on decision making, leadership, ethics, and quality. Prerequisite: 24 earned hours.

MGMT 331 Operations Management (3-0-3), fall, spring. A study of the production operations function in business, including the creation of both goods and services. Study is centered on design, location, and operation of the production operations management system and its interrelationship with other systems in the organization. Prerequisites: ACCT 210 and MGMT 330, IS 322, with a grade of "C" or better.

MGMT 332 Human Resource Management (3-0-3), fall, spring. Introduce the process of managing and working efficiently with people.
Emphasis is given to clarifying and sharpening management values, knowledge, and skills with special focus on decision-making, leadership, ethics, and quality. The following functions of human resource management will be included: planning, recruitment, selection, training and development, compensation and benefits, labor relations, safety and health, internal employee relations, and employment law. Prerequisite: MGMT 330 with a grade of "C" or better.

MGMT 335 Leadership in Organizations (3-0-3), fall, spring. The study, comparison, and contrast of leadership traits, leaders, and leadership strategies. Prerequisite: MGMT 330, with a grade of "C" or better.

MGMT 337 Safety, Health and Security (3-0-3), spring. Provides an overview of occupational safety and health, including concepts of hazard avoidance federal legislation, building and facilities, health and environmental control, hazardous material, personal protection, and fire protection. In addition, the course addresses safety and health program organization, administration and management including employee assistance programs and wellness programs. Prerequisite: MGMT 330, with a grade of "C" or better.

MGMT 342 Total Quality Management (3-0-3), fall. An introduction to quality systems and quality management through a survey of the various philosophies, principles, techniques and procedures used by businesses, industries, and other organizations to assure customer satisfaction of products, processes, and/or services. Presents the managerial concepts and quantitative tools necessary for the effective management of quality in a manufacturing or service business. Prerequisites: IS 322 and MGMT 331 with a grade of "C" or higher.

MGMT 345 Introduction to Management Science (3-0-3), fall, spring. An introduction to Quantitative Methods in Management Science. Topics include: business decision modeling, decision strategies and philosophies useful to business problem solving, decision trees, elementary linear programming and other optimization techniques, simulation, queuing, and the importance of ethics in decision making. Uses spreadsheet methods and other decision and risk analysis software. Prerequisite: IS 322.

MGMT 373 Employee Planning, Recruitment and Selection (3-0-3), fall, spring. Theory and application of methods for the planning, recruiting, and selecting of employees. Emphasis on statutory regulation of selection and placement, assessing recruitment objectives and sources, the selection process (including statistical methods), and career planning and development. Prerequisite: MGMT 330, with a grade of "C" or better.

MGMT 375 Employee and Labor Relations (3-0-3), fall, spring. A review of the history of organized labor, critical study of labor management relations; analysis of fundamentals of labor contracts and administration contract parts, and collective bargaining. Employment relationships in unionized settings, its development, structure, and process. Growth of the labor union movement, major provisions of current federal labor law institution that have a major influence on the labor movement, contract negotiation, and administration. Prerequisite: MGMT 330, with a grade of "C" or better.

MGMT 419 Global Entrepreneur (3-0-3), spring, summer. This course examines different aspects of operating an entrepreneurial venture in other countries, including economic, political, and cultural influences. This course is offered exclusively through study abroad programs outside the United States and will include a focus on unique issues associated with the particular country or region being visited. Prerequisites: Junior standing, GPA of 2.5 or higher, and acceptance into related study abroad program.

MGMT 430 Entrepreneurial Venture Management (3-0-3), fall. Focuses on the challenges of managing an entrepreneurial enterprise effectively throughout the launch and growth phases of a venture. Students will learn the importance of developing and implementing systems and processes in such areas as operations, human resources and legal issues. Prerequisites: MGMT 305 or MGMT 330 with a grade of "C" or higher.

MGMT 432 Launching the Venture (3-0-3), spring. Provides hands-on experience in the process of launching a business. Topics will be introduced primarily through preparation of a written business plan for an actual venture which the student plans to implement in the future. Students will submit drafts of the plan and make oral presentations throughout the course. Prerequisite: Instructor approval.

MGMT 436 Current Topics in Organizational Behavior (3-0-3), fall, spring. An analysis of individual, group, and organizational variables that inhibit or facilitate effective organizational functioning. Topics may include rewards, motivation, leadership, culture, decision-making, and ethics. Prerequisite: MGMT 330 with a grade of "C" or better.

MGMT 439 Strategic Management (3-0-3), fall, spring. Formulation and interpretation of policy, executive responsibilities, and decision-making; administrative practices and business ethics; lectures, case problems, and business simulation game. Performance on a standardized, comprehensive test of business knowledge will constitute a portion of the course grade. Prerequisites: FIN 310, IS 324 or ACCT 324, MGMT 330, MKTG 320 all with a grade of "C" or better. A capstone and writing-intensive course.

MGMT 447 Compensation and Benefits Management (3-0-3), fall. Introduction to the management of employee compensation and benefits. Focuses on the roles of reward systems, legal and governmental constraints relating to compensation, job analysis and evaluation systems, structure for wages and salary systems, incentive-based compensation, and administration of compensation and benefits within the organization. Prerequisites: BLAW 363, FIN 310, MGMT 330, all with a grade of "C" or better.

MGMT 450 Career Management (3-0-3), on demand. The process of planning and managing individual careers is studied as a fundamental process in human resource management. Organizational perspectives are emphasized, but personal applications are also included. Prerequisite: MGMT 330, with a grade of "C" or better. Special fee for testing required.

MGMT 452 Logistics and Supply Chain Management (3-0-3), fall. Overview of the management of information, material, and processes that allow the extended enterprise to function effectively, emphasizing process integration throughout the organization including global sourcing strategy, requirements planning and inventory control, purchasing, receiving, manufacturing, distribution to customers, and internal accounting. Prerequisite: MGMT 331 with a grade of "C" or higher.

MGMT 459 Project Management (3-0-3), spring. Students apply knowledge in their major area and develop project management skills through oral and written analysis of cases and applied projects. Prerequisite: Junior standing.

MGMT 499 Management Internship (3-0-3), on demand. Field experience applying management knowledge and skills in a professional setting. Prerequisites: MGMT 330 with a grade of "C" or better; 2.75 or higher GPA in business courses; 2.5 or higher GPA overall; approval from director of Internships. Same as ACCT 499, FIN 499, IS 499, ITC 499, and MKTG 499.


MGMT 629 Advanced Management Systems (3-0-3), on demand. Emphasis on the latest business process technology, such as e-commerce, multimedia, advanced presentation methods and computer supported cooperative work. Includes proposal development, project management, business graphics, presentation methods, and multimedia authorizing systems.

MGMT 635 Organizational Design and Change (3-0-3), on demand. Organizations as dynamic systems, with a dual emphasis on
understanding organizations and facilitating constructive change within them.

MGMT 636 Organizational Behavior (3-0-3), on demand. Individual, group, and organizational variables that inhibit or facilitate effective organizational functioning. Topics may include rewards, motivation, leadership, culture, decision-making, and ethics.

MKTG - MARKETING
Department of Management Sciences (COBA)

MKTG 320 Principles of Marketing (3-0-3), fall, spring. Overview of the marketing functions, marketing concept, marketing research, marketing ethics, market segmentation, target marketing, product, price, promotion and distribution strategies. Prerequisites: 24 earned hours.

MKTG 341 Marketing Research (3-0-3), fall, spring. A study of the role of market research in the business organization. Field exercise involving the collection, analysis, and interpretation of data as applied to the solution of marketing problems. Prerequisites: IS 322; MKTG 320, both with a grade of "C" or better.

MKTG 342 Consumer Behavior (3-0-3), fall, spring. The buyer as a problem solver; buying decision process: factors influencing behavior, principles, theories, and models. Data developed by behavioral science is employed to discern and explain consumer behavior. Emphasis is placed on integrating this data into current marketing practices. Prerequisites: MKTG 320, 341, both with a grade of "C" or better.

MKTG 343 Personal Selling (3-0-3), fall, spring. Explains the psychology of sales while developing effective negotiation and communication strategies that will be beneficial in selling ideas, concepts, and programs throughout one's career. Handling objections, time management, customer relationship management and networking skills are applied from a client perspective. Prerequisite: 48 earned hours.

MKTG 344 Marketing Promotion (3-0-3), fall, spring. A review of sales and advertising functions, as well as publicity, public relations, and sales promotion. A strategic planning perspective will be assumed. Prerequisite: MKTG 320, with a grade of "C" or better.

MKTG 419 International Marketing (3-0-3), on demand. Emphasizes the issues, problems, and decisions facing managers of international marketing, the complex environment in which international marketing occurs, and ways of integrating and coordinating marketing programs in diverse markets. Prerequisite: MKTG 320 with a grade of "C" or better.

MKTG 432 Data Mining (3-0-3), fall. Survey of the emerging technologies used to uncover patterns and associations in large databases for improved decision making in the marketing arena. Prerequisite: IS 322; MKTG 320, both with a grade of "C" or better.

MKTG 450 Marketing Strategy (3-0-3), fall, spring. Comprehensive study of marketing strategies and tactics and how they may be implemented. A major project and cases, are used to illustrate the application of marketing concepts in a practical manner. Prerequisites: MKTG 320, 341, both with a grade of "C" or better.

MKTG 499 Marketing Internship (3-0-3), on demand. Field experience applying marketing knowledge and skills in a professional setting. Prerequisites: MKTG 320, with a grade of "C" or better; 2.75 or higher GPA in business courses; 2.5 or higher GPA overall; approval from director of Internships. Same as ACCT 499, FIN 499, ITC 499 and MGMT 499.

MPEI - MUSIC PERFORMANCE ENSEMBLE
Department of Music (CAS)

MPEI 210 Marching Band (0-1-1), fall. Participation fee. Same as MPEI 311. May not be repeated.

MPEI 301 Marching Band (0-1-0), fall. May be repeated. Participation fee.

MPEI 302 Wind Ensemble (0-1-0), spring. May be repeated. Participation fee.

MPEI 303 Concert Band (0-1-0), spring. May be repeated. Participation fee.

MPEI 304 Orchestra (0-1-0), fall, spring. May be repeated. Participation fee.

MPEI 305 Jazz Ensemble (0-1-0), fall, spring. May be repeated. Participation fee.

MPEI 306 Percussion Ensemble (0-1-0), fall, spring. May be repeated. Participation fee.

MPEI 311 Marching Band (0-1-1), fall. May be repeated. Same as MPEI 301.

MPEI 312 Wind Ensemble (0-1-1), spring. May be repeated.

MPEI 313 Concert Band (0-1-1), spring. May be repeated.

MPEI 314 Orchestra (0-1-1), fall, spring. May be repeated.

MPEI 315 Jazz Ensemble (0-1-1), fall, spring. May be repeated.

MPEI 316 Percussion Ensemble (0-1-1), fall, spring. May be repeated.

MPEI 401 Brass Quintet (0-1-0), fall, spring. May be repeated. Participation fee.

MPEI 402 Jazz Combo (0-1-0), fall, spring. May be repeated.

MPEI 403 Low Brass Ensemble (0-1-0), fall, spring. May be repeated.

MPEI 404 Piano Ensemble (0-1-0), fall, spring. May be repeated. Participation fee.

MPEI 405 Saxophone Quartet (0-1-0), fall, spring. May be repeated. Participation fee.

MPEI 406 String Quartet (0-1-0), fall, spring. May be repeated.

MPEI 407 Woodwind Quartet (0-1-0), fall, spring. May be repeated.

MPEI 408 Instrumental Ensemble (0-1-0), fall, spring. May be repeated.

MPEI 411 Brass Ensemble (0-1-1), fall, spring. May be repeated.

MPEI 412 Jazz Combo (0-1-1), fall, spring. May be repeated.

MPEI 413 Low Brass Ensemble (0-1-1), fall, spring. May be repeated.

MPEI 414 Piano Ensemble (0-1-1), fall, spring. May be repeated.

MPEI 415 Saxophone Quartet (0-1-1), fall, spring. May be repeated.

MPEI 416 String Quartet (0-1-1), fall, spring. May be repeated.

MPEI 417 Woodwind Quartet (0-1-1), fall, spring. May be repeated.

MPEI 418 Instrumental Ensemble (0-1-1), fall, spring. May be repeated.

MPEV - MUSIC PERFORMANCE ENSEMBLE VOCAL
Department of Music (CAS)

MPEV 201 University Chorale (0-1-No credit), fall, spring. University Chorale. May be repeated. Participation fee. Same as MPEV 211.

MPEV 211 University Chorale (0-1-1), fall, spring. University Chorale. May be repeated. Same as MPEV 201.

MPEV 301 A Cappella Chorus (0-1-0), fall, spring. May be repeated. Participation fee. Same as MPEV 311.
MPEV 302 Opera Workshop (0-1-0), fall, spring. May be repeated. Participation fee. Same as MPEV 312.

MPEV 311 A Cappella Chorus (0-1-1), fall, spring. May be repeated. Same as MPEV 301.

MPEV 312 Opera Workshop (0-1-1), fall, spring. May be repeated. Same as MPEV 302.

MPIM - MUSIC PRIVATE INSTRUCTION INSTRUMENTAL, MAJOR
Department of Music (CAS)

MPIM 221 Music Private Instruction Instrumental (0-2-2), fall, spring. Instrumental majors only. May be repeated. Lesson fee.

MPIM 421 Music Private Instruction Instrumental (0-2-2), fall, spring. Instrumental majors only. May be repeated. Prerequisite: Pass sophomore proficiency. Lesson fee.

MPIN - MUSIC PRIVATE INSTRUCTION INSTRUMENTAL, NON-MAJOR
Department of Music (CAS)

MPIN 211 Music Private Instruction Instrumental (0-1-1), fall, spring. Instrumental non-majors only. May be repeated. Lesson fee.

MPIN 312 Music Private Instruction Jazz Piano (0-1-1), on demand. Introduces basic jazz keyboard skills, focusing primarily on voicing common jazz chords and equipping students with the fundamental techniques used in accompanying, arranging, and improvising on the piano. Prerequisite: MPIN 111 or at a comparable skill level as determined by the instructor.

MPIN 313 Music Private Instruction Jazz Piano (0-1-1), on demand. Introduces basic jazz keyboard skills, focusing primarily on voicing common jazz chords and equipping students with the fundamental techniques used in accompanying, arranging, and improvising on the piano. Prerequisite: MPIN 111 or at a comparable skill level as determined by the instructor.

MPIN 411 Music Private Instruction Instrumental (0-1-1), fall, spring. Instrumental non-majors only. May be repeated. Prerequisite: two semesters of MPIN 211. Lesson fee. Flute-01; Oboe-02; Clarinet-03; Bassoon-04; Saxophone-05; French Horn-06; Trumpet-07; Trombone-08; Euphonium-09; Tuba-10; Percussion-11; Violin-12; Viola-13; Cello-14; Double Bass-15; Guitar-16; Jazz-17.

MPVM - MUSIC PRIVATE INSTRUCTION VOCAL, MAJOR
Department of Music (CAS)

MPVM 221 Music Private Instruction Vocal Major (0-2-2), fall, spring. Voice majors only. May be repeated. Lesson fee.

MPVM 231 Music Private Instruction Vocal Major (0-3-3), fall, spring. Voice majors only. May be repeated. Lesson fee.

MPVM 421 Music Private Instruction Vocal Major (0-2-2), fall, spring. Voice majors only. May be repeated. Prerequisite: Pass sophomore proficiency. Lesson fee.

MPVM 431 Music Private Instruction Vocal Major (0-3-3), fall, spring. Voice majors only. May be repeated. Prerequisite: Pass sophomore proficiency. Lesson fee.

MPVN - MUSIC PRIVATE INSTRUCTION VOCAL, NON-MAJOR
Department of Music (CAS)

MPVN 211 Music Private Instruction Vocal Non-major (0-1-1), fall, spring. Voice non-majors only. May be repeated. Lesson fee. Note: Students who are taking voice for the first time must have a placement interview with the Vocal Division Director.

MPVN 411 Music Private Instruction Vocal Non-major (0-1-1), fall, spring. Voice non-majors only. May be repeated. Prerequisite: Two semesters of MPVN 211. Lesson fee.

MUCM - CHURCH MUSIC
Hardin-Simmons University's Department of Music

MUCM 4327 Survey of Congregational Song (3-0-3), spring, odd years. The study of congregational song and its historical development. Areas of study include biblical backgrounds, poetic features, liturgies, psalmody, hymnody, and contemporary corporate song. Analysis of the planning and use of song in corporate worship will be explored. This course is offered intercollegiately through Hardin-Simmons University.

MUCM 4328 Philosophy of Church Music (3-0-3), spring, even years. Philosophy of Church Music is designed to help students develop a working philosophy of the role of music in the worship and general life of the church. Students will study Biblical precepts and historical thought to gain a scriptural perspective to music and worship and come to a better understanding of the philosophical issues that face church musicians. The precepts will be applied to current issues facing the church and students will be asked to develop a knowledgeable philosophy to apply to these situations. This course is offered intercollegiately through Hardin-Simmons University.

MUPC - MUSIC CLASS PIANO
Department of Music (CAS)

MUPC 113 Music Class Piano (1-1-1), fall. Class lessons are available to music majors working toward the piano proficiency. One section is available for non-majors. Lesson fee.

MUPC 114 Music Class Piano (1-1-1), spring. Class lessons are available to music majors working toward the piano proficiency. One section is available for non-majors. Prerequisite: MUPC 113. Lesson fee.

MUPC 213 Music Class Piano (1-1-1), fall. Class lessons are available to music majors working toward the piano proficiency. One section is available for non-majors. Prerequisite: MUPC 114. Lesson fee.

MUPC 214 Music Class Piano (1-1-1), spring. Class lessons are available to music majors working toward the piano proficiency. One section is available for non-majors. Prerequisite: MUPC 213. Lesson fee.

MULTIMEDIA (SEE JMC – JOURNALISM AND MASS COMMUNICATION)

MUPM - MUSIC PRIVATE INSTRUCTION PIANO, MAJOR
Department of Music (CAS)

MUPM 221 Music Private Instruction Piano, Major (0-2-2), fall, spring. Piano majors only. May be repeated. Lesson fee.

MUPM 231 Music Private Instruction Piano, Major (0-3-3), fall, spring. Piano majors only. May be repeated. Lesson fee.

MUPM 421 Music Private Instruction Piano, Major (0-2-2), fall, spring. Piano majors only. May be repeated. Prerequisite: Pass sophomore proficiency. Lesson fee.

MUPM 431 Music Private Instruction Piano, Major (0-3-3), fall, spring. Piano majors only. May be repeated. Prerequisite: Pass sophomore proficiency. Lesson fee.

MUPN - MUSIC PRIVATE INSTRUCTION PIANO, NON-MAJOR
Department of Music (CAS)

MUPN 211 Music Private Instruction Piano, Non-major (0-1-1), fall, spring. Piano non-majors only. May be repeated. Lesson fee. Note: Students who are taking piano for the first time must have a placement interview with the Piano Division Director.

MUPN 411 Music Private Instruction Piano, Non-major (0-1-1), fall, spring. Piano non-majors only. May be repeated. Prerequisite: Two semesters of MUPN 211. Lesson fee.

MUSC - MUSIC MISCELLANEOUS
MUSE 217 English and Italian Diction (1-1-1), fall. The study and application of the Italian and English languages to vocal literature through the use of the International Phonetic Systems (IPS).

MUSE 218 French and German Diction (1-1-1), spring. The study and application of the French and German languages to vocal literature through the use of the International Phonetic System (IPS). Prerequisite: MUSE 217 or consent of instructor.

MUSE - MUSIC EDUCATION

Department of Music (CAS)

MUSE 110 Concepts of Percussion (2-0-1), spring, odd years. Survey of percussion performance practices and literature.

MUSE 115 Concepts of High Brasses (2-0-1), fall, odd years. Survey of performance practices, literature, and history of trumpet and French horn.

MUSE 116 Concepts of Clarinet and Saxophone (2-0-1), spring, odd years. Survey of performance practices, literature, and history of clarinet and saxophone.

MUSE 117 Concepts of Low Brasses (2-0-1), spring, even years. Survey of performance practices, literature and history of trombone, euphonium and tuba.

MUSE 118 Concepts of Flute and Double-Reeds (2-0-1), fall, even years. Survey of performance practices, literature and history of flute, oboe and bassoon.

MUSE 211 Concepts of Jazz and Improvisation (1-1-1), fall, even years. A survey of Jazz from 1890 to the present with special emphasis on improvisational skills.

MUSE 221 Jazz Pedagogy (2-0-2), fall, even years. Explores the various skills and techniques used in teaching jazz and running a jazz program at the secondary and college level.

MUSE 235 Instrumental Concepts (1-1-1), fall, odd years. A study of teaching, playing and care of orchestra/band instruments for the vocal music education major. Instrument groups included will be strings, woodwind, brass and percussion.

MUSE 236 Vocal Concepts (1-1-1), fall, odd years. A study of the pedagogical aspects of the human voice, diction for singers and choral techniques for the instrumental music education major.

MUSE 330 Music Education for Elementary Teachers (3-0-3), fall, spring. Instruction in music fundamentals and the integration of music into the elementary classroom curriculum. Designed for elementary education majors. Prerequisite: Admission to the Teacher Education Program.

MUSE 332 Elementary Music Techniques and Literature (3-0-3), spring. Survey and evaluation materials and methods used in teaching music in the elementary school. Prerequisite: 12 hours of music. Satisfies requirement for EDUC 431.

MUSE 333 Secondary Music Methods: Choral Organization and Administration (3-0-3), spring, odd years. Organizational skills and management techniques necessary for the maintenance of a vocal choral organization. Special emphasis on literature for the large ensembles. Satisfies requirement for EDUC 412.

MUSE 334 Beginning Conducting (2-0-2), fall. Techniques of conducting both choral and instrumental groups. Supervised laboratory experience. Prerequisite: 12 hours of music.

MUSE 335 Concepts of Piano Performance (3-0-3), spring, even years. The elements of successful piano teaching at all levels, including literature, technique, musicianship, and style.

MUSE 336 Concepts of Vocal Performance (3-0-3), fall, even years. Methods and pedagogical procedures in vocal instruction.

MUSE 337 Intermediate Conducting (1-0-1), spring. Advanced techniques of conducting, rehearsal methods, and score study of field-specific literature. Supervised lab experience. Choral and instrumental sections taught separately. Prerequisite: MUSE 334.

MUSE 338 Band Methods: Marching Techniques and Wind Literature (2-0-2), fall, even years. Students will learn the methods and techniques of organizing and directing a school band program by focusing on the planning, writing, and rehearsing of a marching band drill as well as historical and performative aspects of wind literature. Prerequisite: MUSE 334 and MUST 332.

MUSE 339 Secondary Music Methods - Instrumental (3-0-3), spring, odd years. Organizational skills and management techniques necessary for the maintenance of a large performance ensemble. Prerequisite: MUSE 338.

MUSE 449 Professional Practice in Music Education (1-0-1), spring. This course provides an advanced review of professional practice in music education for Pre-K through 12 settings. The course culminates in the first formal submission of the Teacher Education e-portfolio and competition of the showcase presentation. Prerequisite: Participation in August Experience. For seniors only.

MUSM - MUSICOLOGY

Department of Music (CAS)

MUSM 131 Music in World Cultures (2-0-2), spring. Survey of traditional, classical and contemporary music from selected world cultures. Special attention will be given to placing music into cultural context. Also, various methodologies of studying and teaching indigenous music of various cultures will be explored. May be used to satisfy University Requirements.

MUSM 132 Music Literature (2-0-2), fall. A survey of western music from the middle ages through the contemporary period, emphasizing major composers and compositions of Western art music. May be used to satisfy University Requirements.

MUSM 231 Survey of Jazz (3-0-3), spring, odd years. Surveys the musical, historical, and social aspects of Western music from the Middle Ages, Renaissance, Baroque, Classic, Romantic, and Contemporary periods. Emphasis is placed on the active listening of representative genres, characteristics, and styles. May be used to satisfy University Requirements.

MUSM 232 Survey of Music in Western Culture (3-0-3), fall, odd years. Examines the musical, historical, and social aspects of Western music from the Middle Ages, Renaissance, Baroque, Classic, Romantic, and Contemporary periods. Emphasis is placed on the active listening of representative genres, characteristics, and styles. May be used to satisfy University Requirements.

MUSM 233 Survey of World Music (3-0-3), fall, even years. Surveys traditional, classical, and contemporary music from selected world cultures through representative genres, characteristics and styles. Special attention will be given to placing music into cultural context. May be used to satisfy University Requirements.

MUSM 331 Solo Vocal Literature (3-0-3), fall, odd years. A survey of the Western European and American Art Song from its origin in the
mid-eighteenth century to the present. Emphasis on major composers and representative literature.

MUSM 431 Music History I: Antiquity to 1750 (3-0-3), fall. A survey of the development of musical genres, styles, and compositional practices from Antiquity to 1750. Attention will be given to parallel developments in church history and liturgy as they relate to music. Prerequisites: MUSM 131, 132, and MUST 332. A capstone and writing-intensive course.

MUSM 432 Music History II: 1750–the Present (3-0-3), spring. A survey of the development of musical genres, styles, and compositional practices from 1750 to the present day. Prerequisites: MUSM 131, 132, 431.

MUSM 439 Opera History (3-0-3), spring, odd years. Development and history of opera as a musical and dramatic art form.

MUSM 441 Solo Piano Literature (3-0-3), fall, even years. Survey of solo piano music from the 18th century to the present. Emphasis on major composers and their representative works.

MUSM 442 Ensemble Piano Literature (3-0-3), spring, odd years. Survey of ensemble piano music from the early 18th century to the present. Emphasis on major composers and their representative works. Prerequisite: MUSM 441.

MUSM 449 Capstone Seminar in Music History and Theory (1-0-1), spring. Review of the six historical time periods with systematic analysis (historical and theoretical) of music from the Common Practice Era. Style identification and analytical projects tailored to the needs of the class. Designed to prepare students for the ExCET and graduate entrance exams. Prerequisites: MUSM 431 and/or concurrent enrollment in MUSM 432 and MUST 332. A capstone course.

MUSR - RECITAL SEMINAR
Department of Music (CAS)

MUSR 301 Recital Seminar (0-1-No credit), fall, spring. Seminar in listening and performance. Includes attendance at departmental, organizations, faculty, and solo recitals. Required for music majors (whether for credit/No-Credit until eight semesters have been completed). May be repeated. Participation fee. Same as MUSR 311.

MUSR 311 Recital Seminar (0-1-1), fall, spring. Seminar in listening and performance. Includes attendance at departmental, organizations, faculty, and solo recitals. Required for music majors (whether for Credit/No-Credit until eight semesters have been completed). May be repeated. Same as MUSR 301. Choral, Instrumental, and Piano meet separately.

MUST - MUSIC THEORY
Department of Music (CAS)

MUST 111 Elementary Theory: Sight Singing and Ear Training (1-1-1), fall. Singing in treble, bass, alto, and tenor clefs; major and minor modes, elementary melodic and harmonic diction. Prerequisite: Concurrent enrollment in MUST 131.

MUST 112 Elementary Theory: Sight Singing and Ear Training (1-1-1), spring. Prerequisites: MUST 111, 131; concurrent enrollment in MUST 132.

MUST 120 Music Fundamentals (2-0-2), fall. A review of the fundamentals of music including clefs, key signatures, time signatures, and notation. Designed to prepare students for the music theory sequence.

MUST 131 Elementary Theory I: Analysis and Keyboard (3-0-3), fall. Introduction to analysis, part-writing, figured bass realization, and harmonization using diatonic harmony. Prerequisite: A Music Entrance Exam score of greater than 40 percent or satisfactory completion of MUST 120. Concurrent enrollment in MUST 111 required.

MUST 132 Elementary Theory II: Analysis and Keyboard (3-0-3), spring. Continuation of analysis, part writing, figured bass realization and harmonization covering the harmonic vocabulary of 18th century music including diatonic chords, secondary dominants, and modulation. Prerequisites: MUST 111, 131; concurrent enrollment in MUST 112.

MUST 211 Advanced Theory: Sight Singing and Ear Training (1-1-1), fall. Includes chromaticism and modulations to closely related keys. Prerequisites: MUST 112, 132; concurrent enrollment in MUST 231 required.

MUST 212 Advanced Theory: Sight Singing and Ear Training (1-1-1), spring. Continuation of MUST 211 with modulations to all keys. Emphasis on development of improvisational skills. Prerequisite: MUST 211; concurrent enrollment in MUST 232 required.

MUST 213 Advanced Theory I: Analysis and Keyboard (3-0-3), fall. Analysis, part-writing, and figured bass realization and harmonization covering the extended harmonic vocabulary of the nineteenth century including modulation, altered chords, chromatic harmony, and modes. Prerequisites: MUST 112, 132; concurrent enrollment in MUST 211 required.

MUST 232 Advanced Music Theory II: Analysis and Keyboard (3-0-3), spring. Literature, analysis and theoretical concepts of music since 1900. Emphasis will be placed on computer applications in music. This course satisfies the computer literacy requirements for music majors seeking teacher certification. Prerequisite: MUST 231; concurrent enrollment in MUST 212 required.

MUST 233 Jazz Theory and Improvisation (2-0-2), fall, odd years. Introduces the fundamentals of jazz theory and improvisational techniques, emphasizing in-class improvising in various jazz styles and formats. Prerequisite: MUST 231.

MUST 331 Counterpoint (2-0-2), fall, odd years. The study and analysis of late 17th and early 18th century polyphony with emphasis on stylistic composition in two and three parts. Prerequisite: MUST 232.

MUST 332 Forms and Analysis (1-0-1), spring. An analytical study of selected compositions from the late 17th through the early 20th centuries. Prerequisite: MUST 232.

MUST 333 Jazz Composition and Arranging (2-0-2), spring, even years. Explores the technical and creative aspects required to compose and arrange various jazz works ranging from small combo to a traditional big band. Prerequisite: MUST 233.

MUST 432 Orchestration and Arranging (2-0-2), fall. Ranges, transpositions, timbres, and individual characteristics of band and orchestra instruments, with experience in scoring for small ensembles, full band, and orchestra. Prerequisites: 12 hours of music including MUST 231, 232, or by permission.

NURS - NURSING
ACU School of Nursing

NURS 250 Applied Pathophysiology (3-0-3), spring, summer. Applied pathophysiology introduces students to an understanding of disease physiology and clinical manifestations in adults and children with the application of the focused assessments and patient histories needed in safe nursing practice. Prerequisite: Completion of A & P I and Completion or Concurrent Enrollment of A & P II or approval from the Dean.

NURS 310 Pathophysiology (4-0-4), spring, summer, sophomore year. Scientific concepts related to pathophysiological process: genetic, cellular, biochemical and disease processes in specific body systems. Prerequisites: Declared nursing major; BIOL 291/293; concurrent enrollment in BIOL 292/294.

NURS 320 Evidence-Based Gerontologic Nursing (2-0-2), fall only. Evidence-Based Gerontologic Nursing presents the specialized knowledge and application needed by professional nurses to provide safe, quality, and evidence-based care to the older adults. Prerequisites: Admission to the School of Nursing.

NURS 321 Health Assessment (2-2-4), fall, junior year. Emphasizes the assessment of the holistic person as an individual and a member of
groups, families, aggregates, communities, and society (IFACS). Demonstrates the role of the nurse in health promotion throughout the life cycle by identifying normal findings. Emphasizes acquisition of skills to record client histories, to perform physical assessments, and to communicate specific findings. Prerequisites: Admission into PHSSN, concurrent enrollment in NURS 322, 323, 324.

NURS 322 Process I - Fundamentals of Nursing (3-3-6), fall, junior year. Provides a basic knowledge of concepts inherent to the practice of professional nursing and in the care of all clients. Foundation for nursing practice based on current nursing theories, theoretical knowledge, concepts, and clinical skill. Applies theory in practice through a variety of settings. Prerequisites: Admission to PHSSN, concurrent enrollment in NURS 321, 323, 324.

NURS 323 Pharmacology - Nursing Implications (3-0-3), fall, junior year. Discussion of the fundamental principles of pharmacology and investigation of the major classifications of drugs with emphasis on pharmaco-therapeutic actions and nursing implications will be presented. Previously learned skills and concepts as well as prerequisite science courses are integrated into the discussions. Principles of safe medication administration will be integrated throughout the course. Prerequisites: Admission to PHSSN, and concurrent enrollment in NURS 321, 322.

NURS 324 Dimensions of Professional Nursing (3-0-3), spring, summer, sophomore year. This course will explore the nurse’s professional roles and values, and the interaction of the nurse with the health care delivery system. The historical development of the nursing profession will be analyzed. Important concepts integrated throughout the course are critical thinking, problem solving, legal/ethical principles, decision-making models and the contribution of nursing theory to practice. Medical terminology and medication calculation principles/formulas will be introduced. Prerequisites: Declared nursing major; BIOL 291/293; concurrent enrollment in BIOL 292/294.

NURS 330 Pharmacology in Nursing (3-0-3), fall only. Pharmacology in Nursing introduces students to the nurse’s role in safe medication administration and error prevention for the highest potential health outcomes. Medication classes and nursing implications will be discussed. Prerequisite: Admission to the School of Nursing.

NURS 335 Mental Health Nursing (2-1-3), spring junior year. Physiological and psychological aspects of mental health related to acute and chronic health problems across the lifespan will be examined. The role of the professional nurse in health promotion and illness prevention are key components. Emphasis is placed on the mental health milieu that exists within a community setting. Prerequisites: NURS 321, 322, 323 and 324.

NURS 336 Process II - Nursing Care of the Childbearing and Childrearing Family (4-4-8), spring, junior year. Introduces obstetrical and pediatric nursing concepts and care. Focuses on normal and abnormal adaptations in the childbearing process, growth and development of the child, and conditions and illnesses that affect child health. Prerequisites: NURS 321, 322, 323 and 324.

NURS 350 Clinical Skills I: Fundamentals of Nursing (0-12-4), fall only. Clinical Skills I introduces students to the competencies needed to understand and apply the evidence-based clinical reasoning, assessment, planning, implementation, and evaluation within the nursing scope of practice to adult patients across the continuum of care. The course includes simulation and clinical experience in a variety of health care settings. Prerequisites: Admission to the School of Nursing.

NURS 351 Nursing Assessment and Diagnostics (3-0-3), fall only. Nursing Assessment introduces students to the knowledge, judgment, skills, behaviors, and attitudes of holistic, comprehensive, and focused assessments needed to plan, implement, and evaluate strategies to achieve the highest potential health outcomes. Prerequisites: Admission to the School of Nursing.

NURS 352 Evidence-Based Fundamentals of Nursing (3-0-3), fall only. Evidence-based Fundamentals of Nursing introduces students to the knowledge, judgment, skills, behaviors, and attitudes needed to understand and apply the evidence-based clinical reasoning, implementation, and evaluation within the nursing scope of practice. Prerequisites: Admission to the School of Nursing.

NURS 360 Clinical Skills II: Acute Medical-Surgical Nursing (0-12-4), spring. Clinical Skills II: Acute Medical-Surgical Nursing facilitates student learning of knowledge, judgments, skills, and behaviors to implement evidence-based clinical competencies in professional nursing practice. The course will focus on patients requiring hospitalization in a variety of medical-surgical settings. Prerequisites: Completion of Level I of the School of Nursing.

NURS 361 Evidence-Based Acute Medical-Surgical Nursing (4-0-4), spring. Evidence-Based Acute Medical-Surgical Nursing facilitates student learning of knowledge, judgments, skills, and behaviors to implement evidence-based clinical competencies in professional nursing practice. The course will focus on patients requiring hospitalization in a variety of medical-surgical settings. Prerequisites: Completion of Level I of the School of Nursing.

NURS 370 Clinical Skills II: Community and Population Health (0-6-2), spring only. Clinical Skills II: Community and Population Health introduces students to the competencies needed to apply evidence-based nursing standards within the scope of nursing practice to groups, communities, or populations across the continuum of care, using simulation and clinical experiences in a variety of health care settings. Prerequisite: Completion of Level I of the School of Nursing.

NURS 371 Evidence-Based Community and Population Health (2-0-2), spring only. Community and Population Health introduces students to the competencies and roles of community health and public health nursing for disease prevention, health promotion, health maintenance, health restoration, and health surveillance for communities and targeted populations in a variety of community health care settings. Prerequisites: Completion of Level I of the School of Nursing.

NURS 380 Nursing Research for Evidence-Based Practice (3-0-3), spring only. Nursing Research for Evidence-Based Practice introduces students to the knowledge, judgments, skills, and behaviors to initiate, analyze, and apply nursing research and evidence-based standards to nursing practice in health care environments. Prerequisites: Completion of Level I of the School of Nursing.

NURS 430 Clinical Skills III: Mental Health Nursing (0-6-2), fall only. Clinical Skills III: Mental Health Nursing introduces students to the competencies needed to understand and apply the evidence-based nursing practice to patients with mental health and psychosocial issues in a variety of health care settings. Prerequisite: Completion of Level II of the School of Nursing.

NURS 431 Evidence-Based Mental Health Nursing (2-0-2), fall only. Evidence-Based Mental Health Nursing introduces mental health, cognitive pathophysiology, and psychosocial issues of patients of all ages in a variety of health care settings along the continuum of care. Prerequisite: Completion of Level II of the School of Nursing.

NURS 435 Community Health Nursing (3-0-3), fall, senior year. Presentation of key concepts, theories, and issues relevant to practice as a public health/community health nurse. Prerequisites: NURS 321, 322, 323, 324, 335, 336; concurrent enrollment in NURS 443.

NURS 443 Nursing Theories and Research (3-0-3), fall, senior year. Broadens ability to read, interpret, and integrate research information and theoretical models as beginning practitioners in research and theory. Prerequisites: NURS 321, 322, 323, 324, 336; concurrent enrollment in NURS 443. A writing-intensive course.

NURS 446 Process III - Acute Care Nursing (4-4-8), spring, senior year. Examination of physiological and psychological adaptation to responses dealing with stressors/stimuli related to acute and serious health problems. Emphasis on clients experiencing physiological deviations. Prerequisites: NURS 321, 322, 323, 324, 335 and 336.
NURS 450 Clinical Skills III: Maternity and Pediatric Nursing (0-12-4), spring. Clinical Skills III: Maternity and Pediatric Nursing presents competencies needed to apply evidence-based nursing practice to childbearing women and children of all ages across the continuum of care. The course provides simulation and clinical experiences in a variety of healthcare settings. Prerequisites: Completion of Level II of the School of Nursing.

NURS 451 Process IV - Critical Care Nursing (3-3-6), spring, senior year. Examination of psychological adaptation to responses dealing with stressors/stimuli related to acute and critical health problems. Emphasis is on clients experiencing critical physiological deviations. Prerequisites: NURS 321, 322, 323, 324, 336, 446; concurrent enrollment in NURS 452 and 495.

NURS 452 Leadership and Management in Nursing (3-0-3), spring, senior year. Explore concepts of leadership and management through an examination of: various leadership/management theories, application of ethical and legal principles, organizational and resource management styles, meeting consumer needs and delegation of nursing care. Emphasis on the student demonstrating critical thinking in the application of the leader/manager role. Prerequisites: NURS 443; concurrent enrollment in NURS 451 and 495.

NURS 453 Evidence-Based Maternity and Pediatric Nursing (4-0-4), spring only. Introduces students to competencies needed to implement holistic, comprehensive, and safe nursing practice on childbearing women and children of all ages across the health continuum, and in a variety of healthcare settings. Prerequisite: Completion of Level II of the School of Nursing.

NURS 460 Professional Nursing (3-0-3), fall. Designed for the RN student who is seeking a baccalaureate degree. The course is designed to promote transition to role that enhance professional practice and growth built on prior nursing education and experience. Prerequisites: Admission requirements and admission to the RN-BSN articulation program and concurrent enrollment in NURS 443 and 461.

NURS 461 RN - Evidenced-Based Practice I (4-2-6), fall. Examination of physiological and psychological adaptation to responses dealing with stressors/stimuli related to acute and serious health problems. Emphasis is on clients who experience physiological deviations. Prerequisites: admission to the RN-BSN articulation program. Concurrent enrollment in NURS 443 and 460.

NURS 462 RN - Evidenced-Based Practice II (4-2-6), spring. Examination of physiological and psychological responses to serious health problems with emphasis on clients who experience critical physiological deviations with a special focus on older adults. Prerequisites: NURS 443, 460 and 461.

NURS 464 Nursing Leadership and Management (3-0-3), fall only. Nursing Leadership and Management introduces evidence-based concepts and competencies in nursing leadership and management to promote safety and quality care within complex healthcare systems. Prerequisites: Completion of Level III of the School of Nursing. A capstone course.

NURS 470 Lab and Diagnostics (3-0-3), spring. Laboratory and diagnostic studies; rationale for studies, expected and abnormal findings, clinical implications, procedures involved in pretest/posttest care of the client undergoing studies. Prerequisite: Senior standing in the nursing major.

NURS 471 Health Care Missions (2-1-3), spring. Provides the student a foundation for healthcare strategies that will be used to serve and evangelize in cross-cultural environments. The student will be introduced to strategies for learning culture and language, as well as, communicating and educating cross-culturally. Prerequisite: Senior standing in the nursing major.

NURS 472 Perioperative Nursing (2-3-1), spring. The focus of the course is care of the client during the perioperative period and the nursing responsibilities inherent in caring for this unique client. Clinical experience includes activities in the preoperative, intraoperative, and postoperative stages. Legal and ethical concerns during the perioperative period will also be explored. Prerequisite: Senior standing in the nursing major.

NURS 473 Care of the Terminally Ill (3-0-3), spring. Examines the components of providing holistic care for the dying client. Emphasis is placed on providing a comfortable environment for the client, including pain management and management of other symptoms. Facilitating communication among client, family and members of the interdisciplinary healthcare team is an essential part of providing quality care at the end of life. Psychosocial and spiritual needs of the dying client are discussed. Prerequisite: Senior standing in the nursing major.

NURS 474 Clinical Nutrition (3-0-3), spring. Reviews normal nutrition; focuses on an in-depth presentation on clinical nutrition and diet strategies to manage disease. Prerequisite: Senior standing in the nursing major.

NURS 475 Clinical Skills IV: Advanced Medical-Surgical Nursing (0-18-6), spring only. Clinical Skills IV: Advanced Nursing facilitates student competencies needed to apply the evidence-based leadership/management skills, and nursing process for safety and quality care in high acuity simulation and complex care settings. Prerequisite: Completion of Level III of the School of Nursing.

NURS 476 Evidence-Based Advanced Medical-Surgical Nursing (3-0-3), spring only. Advanced Medical-Surgical Nursing facilitates student learning of competencies required to implement evidence-based safety and quality care to patients with complex needs in professional nursing practice. Prerequisite: Completion of Level III of the School of Nursing.

NURS 495 Professional Nursing: Practicum (0-16-4), spring, senior year. Provides comprehensive clinical experience allowing a transition from student to professional nurse. Students will synthesize and integrate previous learning and apply it to clinical practice. Students work directly with the professional nurse during the clinical experience in a self-directed independent position. Pass/Fail grade. Prerequisites: NURS 443; concurrent enrollment in NURS 451, 452.

NURS 498 Integration of Evidence Based Nursing Practice (3-0-3), spring only. Integrates all nursing competencies in complex multiple patient care situations for individual and health care system effectiveness. Prerequisite: Completion of Level III of the School of Nursing.

NURS 530 Pathophysiology I (2-0-2), fall. Scientific concepts of pathophysiology essential to diagnostic reasoning and clinical management of diseases states. Emphasis placed on concepts related to genetic, cellular, and biochemical pathophysiology.

NURS 570 Pathophysiology II (2-0-2), spring. Scientific concepts of pathophysiology related to diagnostic reasoning and clinical decision-making in advanced nursing practice, with emphasis on common disease processes affecting major systems.

NUTR - NUTRITION

Department of Kinesiology and Nutrition (CEHS)

NUTR 120 Nutrition and Wellness (3-0-3), fall, spring. Addresses current trends in nutrition (information and misinformation), food safety, world nutrition and hunger issues, and the impact of nutrients, diet, and weight control on health. It empowers the students to ask questions concerning nutrition and seek answers appropriately. May be used to satisfy University Requirements.

NUTR 221 Introductory Nutrition (3-0-3), fall. Nutritional needs of various age groups and the influence of socioeconomic, cultural, and psychological factors on food and nutrition behavior presented in a descriptive survey of nutrient requirements and utilization by the human body.

NUTR 222 Food Selection and Preparation (2-4-3), fall. Study of basic food science and culinary techniques. The student will demonstrate basic food preparation and presentation. Provides working
knowledge of food selection, food safety and sanitation, pleasurable eating, sensory evaluation of food, and food regulations.

NUTR 224 Nutrition for Exercise and Sport (3-0-3), spring. Provides comprehensive, accurate, and up-to-date information concerning basic fundamentals of how the active individual can achieve optimal nutrition by fueling before, during, and after exercising. Examines how the athlete can use nutrition to achieve peak performance.

NUTR 322 Biochemistry of Nutrition I (3-0-3), fall. Focuses on normal nutrition and physiological function. Applies biochemistry to nutrient use from consumption through digestion, absorption, distribution, and cellular metabolism. It integrates life processes from the cellular level through the multisystem operation of the whole organism. Prerequisites: CHEM 111/113 and CHEM 112/114 or CHEM 131/133 and CHEM 132/134, BIOL 291/293 and BIOL 292/294, and NUTR 221.

NUTR 323 Biochemistry of Nutrition II (3-0-3), spring only. Applies biochemistry to nutrient use from consumption through digestion, absorption, distribution, and cellular metabolism and integrates physiological processes from the cellular level through the multisystem operation of the whole organism. Prerequisites: NUTR 221, NUTR 322; CHEM 112/114 or 132/134.

NUTR 325 Quantity Food Production and Service (2-4-3), fall. Provides working knowledge of food consumption issues and trends, menu planning, purchasing and procurement of food and equipment. Scheduling, food production, and delivery systems are addressed. The student will demonstrate ability to perform recipe modification and cost. Field experience required.

NUTR 327 Nutrition Through the Life Cycle (3-0-3), fall. The study of each life cycle stage concerning nutritional foundations that are essential for positive development and health. It addresses the role of nutrition and factors that influence nutritional status. Nutrition assessment and disease states for each life cycle are studied. Prerequisite: NUTR 221.

NUTR 328 Community Nutrition (3-0-3), fall. Study of public policy development and current nutrition issues affecting public health. Provides working knowledge of assessment and treatment of nutritional health risks, food availability and access, and community nutrition programs. The student will demonstrate the ability to screen individuals for nutritional risk and determine nutrient needs of individuals and groups in the community. Prerequisite: NUTR 221.

NUTR 401 Nutrition Seminar (1-0-1), fall. Explores professional aspects of employment including health care policy and administration, code of ethics, standards of practice, performance improvement, and reimbursement issues. Personal portfolio will be developed. Required of nutrition majors in the NDPD concentration. Prerequisite: junior standing. A capstone course.

NUTR 421 Nutrition Assessment and Education (3-0-3), spring. Provides information concerning objective measures of nutritional status and determination of responsiveness to medical nutritional therapy. Dietary counseling techniques are explored. Prerequisite: NUTR 221. A capstone and writing-intensive course.

NUTR 423 Food Safety (1-0-1), spring. Provides accurate, science-based information on all aspects of handling food and incorporates the latest Food and Drug Administration Food Code in a realistic manner. The nationally recognized ServSafe examination by the National Restaurant Association Educational Foundation will be administered for certification. Prerequisite: NUTR 222.

NUTR 425 Medical Nutrition Therapy I (3-0-3), spring. Provides working knowledge of pathophysiology related to nutrition care, medical nutrition therapies, assessment of need for adaptive feeding techniques, and nutritional pharmacology. The student will demonstrate the ability to interpret medical terminology and laboratory parameters, calculate and define therapeutic diets, determine nutrient requirements, and calculate enteral and parenteral formulations. Prerequisites: BIOL 291/293, 292/294; NUTR 322.

NUTR 426 Food Science (2-4-3), spring. Study of experimental methodology, food additives and preservatives, principles of food processing, and biotechnology. Provides working knowledge of sensory and objective evaluation of foods. The student will demonstrate the ability to apply knowledge of functions of ingredients in food. Prerequisite: NUTR 222.

NUTR 427 Food System Organization and Administration (3-0-3), spring. Study of management theories and leadership. Provides working knowledge of financial management including interpretation of financial data, determination of costs, and budget preparation. Field experience required.

NUTR 428 Medical Nutrition Therapy II (3-0-3), fall only. Provides working knowledge of pathophysiology related to nutrition care, medical nutrition therapies, assessment of need for adaptive feeding techniques, and nutritional pharmacology, including interpreting medical terminology and laboratory parameters, determining nutrient requirements, and calculating therapeutic diets and enteral and parenteral formulations. Prerequisites: BIOL 292/294; CHEM 112/114 or 132/134; NUTR 322, 323, and 425.

NUTR 429 Medical Nutrition Therapy III (1-5-3), spring. Provides working knowledge of health behaviors, ethics of care, reimbursement issues, health care policies, and quality improvement methods. The student will demonstrate the ability to complete comprehensive nutrition assessments, measure, calculate, and interpret body composition data, make appropriate nutritional recommendations, counsel patients concerning nutrition, and provide appropriate documentation. Field experience hours in a clinical setting required. Prerequisite: NUTR 428.

NUTR 450 Capstone in Dietetics (2-0-2), spring. In-depth study of domains of the Registration Examination for Dietitians. Students assess their learning needs and research topics to enhance critical thinking and application skills in the domains of Food and Nutrition, Clinical and Community Nutrition, Nutrition Diagnosis, Education and Research, Food and Nutrition Systems, and Management. This course should be taken the spring before graduation. Prerequisite: Senior standing in the NDPD concentration of the Nutrition major. A capstone course.

NUTR 521 Dietetic Internship (3-0-3), fall, spring. Provides working knowledge of the domains of dietetics: principles of dietetics, nutrition care for individuals and groups, management of food and nutrition programs and services, and food service systems. Prerequisite: Completion of Didactic Program in Dietetics Requirements and B.S. degree in Nutrition or related field. Must be admitted to the ACU Dietetic Internship. May be repeated for 6 hours of credit.

NUTR 522 Weight Management (3-0-3), summer. Provides working knowledge of pathophysiology, medical nutrition therapies, pharmacology, and surgical procedures related to overweight and obesity. The nutrition care process will be utilized throughout all aspects of nutritional care. Prerequisite: Completion of Didactic Program in Dietetics requirements.

NUTR 523 Nutrition and Poverty (3-0-3), fall. Nutritional effects of poverty in the US and developing countries on physical, education and emotional status of individuals and families. Impacts of government and non-profit programs (including WIC, Food Stamps, and food banks) on nutritional outcomes. Students apply appropriate methods of assisting families with nutritional food choices and budgeting. Prerequisite: Enrolled in Abilene Christian University’s Dietetic Internship Certificate Program.

NUTR 621 Nutrition Research (3-0-3), spring. Overview of the research process used to enhance evidence-based knowledge in the field of nutrition. Includes use of literature reviews, formulation of research questions and study designs, managing a nutritional study, preparing surveys and interviews, and interpreting quantitative and qualitative data. Formulation of research proposal and obtaining IRB
OCCT - OCCUPATIONAL THERAPY
Department of Occupational Therapy (CEHS)

OCCT 601 Musculoskeletal Anatomy (4-0-4), fall. The purpose of this course is to provide the student with a lecture and laboratory study of human musculoskeletal anatomy. The course is designed for occupational therapy (OT) and other health science students and will focus on material most pertinent to the practice of OT and other health professions. Prerequisite: BIOL 291 and 292 or Equivalent of Anatomy and Physiology I and II with labs (8 hours).

OCCT 603 Foundations of OT (2-0-2), fall. The purpose of this course is to provide students with the foundations of the occupational therapy profession including the historical development of the profession, the occupational therapy process, and an introduction to professional ethics, values and responsibilities.

OCCT 605 Theory in OT (3-0-3), fall. In this course, the learner will critique and discuss many of the theoretical perspectives commonly used in occupational therapy practice, including those that focus on occupation-based practice. This course will also provide students the opportunity to apply theoretical perspectives to occupational therapy assessment and treatment planning, compare and contrast theoretical perspectives, and make an educated decision about which perspectives best meet the needs of the client and the frame work of the profession. The overarching theme of the course is the importance of occupation in the promotion of health and the prevention of disease and disability.

OCCT 607 Intro to Making (5-1-6), fall. This course is designed to provide an understanding of design theory and innovation to support occupational performance, participation, health and wellbeing. The content of this course includes: Intro to “making”; design theory; Instruction in the Maker Lab tools; Case studies applicable to OT requiring assistive devices; and Activity analysis.

OCCT 617 Social Conditions (2-0-2), fall. This course examines current social, economic, political, geographic, and demographic factors to develop cultural sensitivity and promote ethical practice with persons experiencing, or at risk for experiencing, social injustice and/or occupational deprivation. In particular, variables affecting the health and wellness needs of such persons will be considered. Learners will be able to articulate the roles and responsibilities of practitioners to advocate for change.

OCCT 631 Neuroscience (4-0-4), spring. OCCT 631 provides the student with knowledge regarding indentification, evaluation, and intervention using the occupational therapy process for restoration of function for patients with physical disabilities. Prerequisites: Life Span Development and OCCT 603.

OCCT 635 Pediatric Evaluation, Assessment and Implementation with Lab (2-2-4), fall. Evidence-based occupational therapy evaluation, intervention, and service delivery for pediatric populations.

OCCT 637 Research in OT (2-0-2), spring. This course articulates the importance of evidence based research, application of evidence based research to scholarly activities, and the continued development of a body of knowledge relevant to the profession of occupational therapy.

OCCT 639 Adult Evaluation, Assessment, and Implementation with Lab (5-1-6), spring. OCCT 639 addresses the screening and evaluation of multi-aged adults with occupational dysfunction resulting from physical and/or cognitive impairments and disabilities. Within the applicable theoretical context, students will a) assess the need for occupational therapy intervention, and b) select and apply clinical and non-clinical approaches appropriate for a client’s occupational performance within his/her context. Prerequisites: Life Span Development and OCCT 603.

OCCT 641 Health Conditions Seminar (2-0-2), spring. In OCCT 641, students hear physicians and other medical specialists discuss prevalent diseases and injuries in the population at large. This course also focuses on physicians’ communication styles; acquainting students with medical terminology needed to communicate with healthcare providers, patients, and their families. Prerequisites: Life Span Development.

OCCT 651 Mental Health Conditions, Wellness and Social Participation (2-1-3), summer. In this course, emphasis will be placed on the most commonly seen psychiatric symptoms, behavioral health correlates, screening and psychiatric occupational therapy techniques including groups for use within a multicultural setting. Prerequisite: Abnormal Psychology.

OCCT 655 Mental Health, Wellness and Participation, Fieldwork Level 1 and Documentation (1-1-2), summer. This course will afford students the opportunity for hands-on assessment, evaluation, treatment planning and client intervention. The goal of Level 1 fieldwork per ACOTE standards is, “To introduce the student to the fieldwork experience, to apply knowledge to practice, and to develop understanding of the needs of clients.” Prerequisites: OCCT 617, 603, 601, 607, 690, 637, 639.

OCCT 661 Hand and Upper Extremity Conditions (2-2-4), fall. This course will provide an overview of principles in treatment and common injuries/conditions for the shoulder, elbow, wrist, and hand. Course study will integrate the student's knowledge of anatomy and kinesiology and move toward specific assessment and treatment of the upper extremities. Lab sessions will focus on advanced splinting, assessment tools, and intervention techniques. Prerequisites: OCCT 601 and 639.

OCCT 670 Group Process (1-1-2), summer. This course consists of the utilization of psychosocial models of practice, frames of reference and theories of group development, including communication, conflict resolution and the influence of culture and contexts on group process. Students will be prepared to articulate and apply therapeutic use of occupations with individuals or groups for the purpose of participation in roles and situations in home, school, workplace, community, and other settings. Prerequisites: OCCT 603, 607, 617, 639, 641.

OCCT 690 Physical Disabilities Fieldwork Level I and Documentation (2-0-2), spring. The goal of this course is to introduce the student to documentation standards, occupational therapy service delivery standards and therapeutic use of self in preparation for fieldwork. Students will be introduced to real work environments and hands on application of occupational therapy services as related to concurrent courses. Prerequisites: OCCT 601, 603, 607, and 617.

OCCT 695 Pediatrics Fieldwork Level I (1-1-2), fall. This course will provide field experience in the content area of pediatrics. Prerequisites: Human and Life Span Development; OCCT 690.

OCCT 735 Research in OT II (2-1-3), fall. This course supports beginning research skills in a practice setting with a faculty-led research activity embedded into the second portion of this course. Prerequisites: Statistics; OCCT 637.

PAINTING (SEE ART)

PEAC – PHYSICAL EDUCATION ACTIVITY
Department of Kinesiology and Nutrition (CEHS)

PEAC 100 Lifetime Wellness (1-2-1), fall, spring, summer. Examines the components of health fitness. Evaluates one's current status and shows how to develop and maintain a healthful lifestyle. This is an activity class. Fulfills KINE University Requirements.

PEAC 101 Fitness in Action (1-2-1), fall, spring, summer. This course is designed to allow students to improve physical fitness in a self-paced format by utilizing the Fitness Key system in the Student Recreation and Wellness Center. Course fee required. Fulfills KINE activity requirement.

PEAC 111 Team Sports (0-3-1), fall, spring. An introduction to traditional and non-traditional sports that can be used as recreational activities by all age groups. An introduction to skills, strategies, and
team cooperation will be emphasized. Fulfills KINE activity requirement.

**PEAC 202 Adapated Physical Activity** (0-3-1), fall, spring. Individualized rehabilitation and fitness program designed for students with specialized needs or considerations. Emphasis on improving fitness levels relative to the individual's needs and goals. May be substituted for a general activity course. Fulfills KINE activity requirement. Prerequisite: Instructor permission required.

**PEAC 203 Ballet** (0-3-1), fall, spring. A classical practice for developing ballet technique and performance skills. This course explores the athleticism and artistry of ballet through class elements of barre and center floor progressing to work with artistry, musiciansity, and performance skills through variations. Students will create their own movement compositions. Fulfills KINE activity requirement.

**PEAC 204 Modern Dance** (0-3-1), fall, spring. This course explores various modern movement styles, creating body awareness and working towards efficiency of movement. Classwork highlights weight shifts, body articulation, on/off balance work, momentum, transitions, musiciansity, traveling, breath, performance skills, and composition. Students are exposed to theories, practices, and experiences to create their own original movement compositions. Fulfills KINE requirement.

**PEAC 205 Yoga** (0-3-1), fall, spring. Instruction in the practice of Hatha/Flow Yoga. General philosophy, history, and benefits toward wellness will be included. The performance of asanas (postures) and pranyamas (breathing exercises) in order to improve wellness will be emphasized. Fulfills KINE activity requirement.

**PEAC 206 Strength Training** (0-3-1), fall, spring. Theory and practice involving the development of muscular strength and muscular endurance. Fulfills KINE activity requirement.

**PEAC 207 Martial Arts** (0-3-1), fall, spring. Introduces the student to the basic concepts and techniques of self-defense. The student will learn to perform practical and traditional martial arts techniques. Special fee required. Fulfills KINE activity requirement.

**PEAC 210 Cycling** (0-3-1), spring. An introduction to the use of the bicycle for fitness and recreation. Personal bicycle required. Fulfills KINE activity requirement.

**PEAC 211 Cross-Training** (0-3-1), fall, spring, summer. A conditioning course that focuses on both cardiovascular fitness and muscular strength and endurance. Fulfills KINE activity requirement.

**PEAC 212 Beginning Badminton** (0-3-1), fall, spring. Instruction in fundamentals and practice. Fulfills KINE activity requirement.

**PEAC 214 Aerobics** (0-3-1), fall, spring. Instruction in aerobic activities. Fulfills KINE activity requirement.

**PEAC 215 Jogging for Fitness** (0-3-1), fall, spring. Instruction in fitness jogging for both present and lifetime use. Fulfills KINE activity requirement.

**PEAC 216 Walking for Fitness** (0-3-1), fall, spring. Instruction in fitness walking for both present and lifetime use. Fulfills KINE activity requirement.

**PEAC 217 Beginning Tennis** (0-3-1), fall, spring, summer. Instruction in fundamentals and practice. Fulfills KINE activity requirement.

**PEAC 219 Golf** (0-3-1), fall, spring. Instruction in fundamentals and practice. Course fee. Fulfills KINE activity requirement.

**PEAC 224 Disc Golf** (0-3-1), fall, spring. Introduces fundamentals of disc golf, emphasizing improving personal skills through practice, technique. And implementation of basic strategies. Fulfills KINE activity requirement.

**PEAC 226 Water Aerobics** (0-3-1), on demand. Vigorous aquatic activities to attain/maintain aerobic fitness. Excellent alternative to the pounding of "land aerobics." Fulfills KINE activity requirement.

**PEAC 227 Marathon Training** (0-3-1), fall. Instruction and training to complete a marathon, generally geared to the first time marathoner. Fulfills KINE activity requirement. Additional cost required, for periodic joggers to consistent runners.

**PEAC 228 Swimming for Fitness** (0-3-1), fall. This course focuses on fitness activities in water - a great choice for those who enjoy swimming and cross training. Students will build cardiorespiratory endurance, improve stroke mechanics and learn new strokes. Designed for those who can swim, but interested non-swimmers may contact the instructor for approval to enroll. Fulfills KINE activity requirement.

**PEAC 229 Lifeguard Training** (0-3-1), spring. Designed for swimmers. Instruction in strokes, safety, and water rescue. Lifeguard training certification meets the requirements of most pool facilities hiring lifeguards. Special fee required. Fulfills KINE activity requirement.

**PEAC 234 Pickleball** (0-3-1), fall, spring, summer. Instruction in the fundamentals and practice. Fulfills KINE activity requirement.

**PEAC 235 Bowling** (0-3-1), fall, spring, summer. Instruction in the fundamentals and practice. Course fee. Fulfills KINE activity requirement.

**PEAC 239 Snow Skiing** (0-3-1), fall, spring, summer. Special fee and trip required after the end of the semester. Fulfills KINE activity requirement.

**PEAC 350 Backpacking** (0-3-1), fall. Special fee and trip required. Trip scheduled for mid-semester - missing three days of classes. Fulfills KINE activity requirement.

**PEAC 351 Canoe Camping** (0-3-1), spring. Special fee and trip required after the end of the semester. Student may not enroll in summer course without special permission. Fulfills KINE activity requirement.

**PHIL - PHILOSOPHY**

**PHIL 275 Introductory Logic and Critical Thinking** (3-0-3), fall, even years. Validity and soundness of arguments both in ordinary language (e.g. religion) and in the technical language of science, law, theology, and criticism. May be used to satisfy University Requirements.

**PHIL 378 History and Philosophy of Science** (3-0-3), fall, odd years. Newtonian physics, evolution, thermodynamics, quantum theory, relativity, and the impact of these sciences on religion, philosophy, literature, the arts, and the social sciences. Same as PHYS 378. May be used to satisfy University Requirements.

**PHIL 379 Philosophy, Religion and Science** (3-0-3), spring, odd years. The relationships among God, humans, and nature from the perspectives of philosophy, religion, and science. Same as PHYS 379. May be used to satisfy University Requirements.

**PHIL 380 Introduction to Philosophy** (3-0-3), fall. Basic concerns of philosophy, relation of philosophy to other fields, and a discussion of the major types of philosophy. Same as BIBP 380. May be used to satisfy University Requirements.
PHIL 451 Philosophy and Social Justice (3-0-3), fall, even years. This course considers the contributions of major contemporary philosophers to understanding distributive social justice on a national and international level. The class will explore the consistency of various positions with the teachings of Jesus about social justice. Prerequisite: Sophomore standing. May be used to satisfy University Requirements.

PHIL 478 Introduction to Philosophy of Religion (3-0-3), fall, even years. Theism in light of reason, competing world views, and philosophies. Same as BIBP 478.

PHIL 486 Ethics (3-0-3), spring. Introduces different philosophical approaches to ethics, while focusing on selected ethical issues facing contemporary Christians. Same as BIBP 486.

PHIL 487 History of Ancient and Medieval Philosophy (3-0-3), fall, odd years. The development of philosophical thought during the ancient and medieval periods. Same as BIBP 487.

PHIL 489 History of Modern Philosophy (3-0-3), spring, even years. The development of philosophical thought from Hobbes and Descartes through Kant and Hegel with emphasis on epistemology, metaphysics, and ethical theory. Same as BIBP 489.

PHIL 490 Early Political Philosophy (3-0-3), fall, even years. The major political philosophers from Plato to Machiavelli. Same as POLS 490.

PHIL 491 Modern Political Philosophy (3-0-3), spring, odd years. The major political philosophers from Machiavelli to the present. Same as POLS 491.

PHYS - PHYSICS
Department of Engineering and Physics (CAS)

PHYS 101 Astronomy (3-0-3), fall, spring, summer. Covers history, development, observational techniques, solar, planetary, stellar, galactic, and cosmological aspects of astronomy. Requires some observation and lab work. May be used to satisfy University Requirements. For non-science majors.

PHYS 102 Physical Science (3-0-3), spring. Topics include scientific methods, matter and energy, laws of motion, light, basic relativity theory, structure of the atom, nuclear power and processes, chemical reactions, and others. Applications to societal issues such as pollution, energy resources, medicines, and consumer goods will also be mentioned. May be used to satisfy University Requirements. For non-science majors.

PHYS 110 General Physics I (3-0-3), fall, summer. Principles of mechanics, heat, and sound. An algebra-based physics course, designed primarily for liberal arts and pre-medical and pre-dental students. Concurrent enrollment in PHYS 111 is highly suggested. Prerequisite: MATH 109, 124, or 185. May be used to satisfy University Requirements.

PHYS 111 General Physics I Laboratory (0-2-1), fall, summer. May be used to satisfy University Requirements.

PHYS 112 General Physics II (3-0-3), spring, summer. Electricity, magnetism, light, biophysics, and some modern physics. Concurrent enrollment in PHYS 113 is highly suggested. Prerequisite: PHYS 110. May be used to satisfy University Requirements.

PHYS 113 General Physics II Laboratory (0-2-1), spring, summer. May be used to satisfy University Requirements.

PHYS 135 Introduction to Electric Circuits (3-0-3), spring. Basic electrical measurements and devices, introductory electronics. Emphasis on lab work. Intended for those who will use electronic instruments and methods in their profession. Concurrent enrollment in PHYS 136 is required. Prerequisite: Passing MATH 124 or testing into MATH 185 or higher on the Math placement exam. Same as ENGR 135.

PHYS 136 Introduction to Electric Circuits Laboratory (0-3-1), spring. Concurrent enrollment in PHYS 135. Same as ENGR 136.

PHYS 203 Physical Science for Teachers (3-0-3), fall, spring, summer. A science course of primary interest to pre-service teachers. The course uses inquiry-based and other “best-practice techniques” to apply physical science concepts to situations within the world and at the same time applicable to the future teacher’s classroom. May be used to satisfy University Requirements.

PHYS 220 Engineering Physics I (3-0-3), spring, and as needed. Mechanics of particles, rigid bodies, fluids, and wave motion. Concurrent enrollment in PHYS 221 is required. Prerequisite: Calculus or concurrent enrollment in MATH 185. May be used to satisfy University Requirements.

PHYS 221 Engineering Physics I Laboratory (0-3-1), spring, and as needed. Concurrent enrollment in PHYS 220. May be used to satisfy University Requirements.

PHYS 222 Engineering Physics II (3-0-3), fall, and as needed. Heat, thermodynamics, electricity, and magnetism. Concurrent enrollment in PHYS 223. Prerequisite: PHYS 220/221. May be used to satisfy University Requirements.

PHYS 223 Engineering Physics II Laboratory (0-3-1), fall, and as needed. Concurrent enrollment in PHYS 222. May be used to satisfy University Requirements.

PHYS 330 Modern Physics (3-0-3), spring, and as needed. Special relativity, invariance principles, foundations of quantum mechanics, atomic spectra, molecular physics, nuclear physics, and elementary particles. Laboratory emphasizes atomic and nuclear physics. Concurrent enrollment in PHYS 331. Prerequisite: PHYS 222/223. May be used to satisfy University Requirements.

PHYS 331 Modern Physics Laboratory (0-3-1), spring, and as needed. Concurrent enrollment in PHYS 330. May be used to satisfy University Requirements.

PHYS 342 Measurement Techniques (2-0-2), fall. An introduction to transducers for measuring physical phenomena such as temperature, pressure, and acceleration. Signal processing and statistical concepts related to measured variables are also included. Prerequisites: PHYS 222, MATH 361. Concurrent enrollment in PHYS 343 required.

PHYS 343 Measurement Techniques Laboratory (0-3-1), fall. A laboratory introduction to transducers for measuring physical phenomena such as temperature, pressure, and acceleration. Signal processing and statistical concepts related to measured variables are also included. Prerequisites: PHYS 222, MATH 361. Concurrent enrollment in PHYS 342 required.

PHYS 360 Electricity and Magnetism (3-0-3), fall and as needed. Electronics magneto-statics, circuit theory, Maxwell’s equations, electromagnetic field theory, dielectrics, displacement current, current density, Poynting vector, scalar potentials, vector potentials and design applications. Prerequisites: PHYS 222 and concurrent enrollment in PHYS 463 or MATH 463.

PHYS 362 Optics (3-0-3), spring. Light, lenses, aberrations, diffraction, interference, polarization, resolving power, coherence, Fourier transforms, spectroscopy. Concurrent enrollment in PHYS 363 is required. Prerequisites: PHYS 222/223; MATH 186.

PHYS 363 Optics Laboratory (0-4-1), spring. Concurrent enrollment in PHYS 362.

PHYS 371 Classical Mechanics (3-0-3), fall. Vector methods of static systems of forces, couples and moments, particle dynamics, rigid body dynamics, work, kinetic and potential energy, momentum and the conservation laws, and Hamilton and Lagrangian methods. Prerequisites: PHYS 220; Concurrent enrollment in MATH 361.

PHYS 378 History and Philosophy of Science (3-0-3), fall, odd years. A study of Newtonian physics, evolution, thermodynamics, quantum theory, relativity, and the impact of these sciences on religion,
Requirements.

PHYS 379 Philosophy, Religion and Science (3-0-3), spring, odd years. A study of the relations of God, humans, and nature from the perspectives of philosophy, religion and science. Emphasis on the mutual impacts of science and religion. Same as PHIL 379. May be used to satisfy University Requirements. For non-science majors.

PHYS 388 Network Analysis (3-0-3), fall, odd years. Active and passive electrical networks, time and frequency domains, Fourier and Laplace transform techniques, and some non-linear circuits. Prerequisite: MATH 361. Same as ENGR 388.

PHYS 401 Secondary Science Methods (3-0-3), fall, spring. A study of teaching strategies and curriculum development for the secondary sciences. Presents the Texas Essential Knowledge and Skills, College and Career Readiness Standards, and classroom management and discipline for the science laboratory environment. Must be taken concurrently with EDUC 412 and 432. Should be taken before student teaching. Prerequisite: 16 hours of science from appropriate secondary science teaching degree plan. Same as BIOL 401, CHEM 401.

PHYS 451 Simulations and Modeling (3-0-3), spring, odd years. Advanced techniques of computing in physics, including error analysis, data fitting and analysis, adaptive quadrature and Monte Carlo methods, ordinary and partial differential equations, and finite element techniques, all with an introduction to parallel programming techniques. Prerequisites: CS 120.

PHYS 453 Pattern Recognition (3-0-3), spring, even years. Introduces pattern recognition methods and applications: decision theory, Principal Component Analysis, neural networks, linear and non-linear discriminant functions, supervised and unsupervised learning, feature extraction, Hidden Markov Models, Kalman Filters, and related methods in the area of applied computing. Prerequisites: CS 120.

PHYS 461 Nuclear Physics (3-0-3), spring, even years. Nuclei and nuclear constituents; symmetries and conservation laws; electromagnetic, weak, and hadronic interactions; nuclear models. Prerequisites: PHYS 330/331.

PHYS 463 Math of Physics and Engineering (3-0-3), spring. Partial differential equations and boundary value problems, orthogonal functions, complex variables, Green's functions, and matrix theory. Prerequisite: MATH 361. Same as MATH 463.

PHYS 472 Solid State Physics (3-0-3), fall, even years. Crystal symmetry and structures, elastic properties of solids, crystal bonding, lattice dynamics, and specific heat, optical, and electrical properties of solids. Prerequisites: PHYS 330/331.

PHYS 481 Thermodynamics (3-0-3), fall, and as needed. Fundamental concepts of thermodynamic systems. Law of thermodynamics, properties of simple compressible substances, entropy, energy availability, ideal gas mixtures and psychrometrics, and thermodynamic cycles. Application to engines, refrigeration systems and energy conversion. Prerequisites: PHYS 330 and MATH 286.

PHYS 482 Topics in Physics (3-0-3), on demand. Studies in topics or techniques of current interest in physics and astronomy.

PHYS 491 Quantum Mechanics (3-0-3), spring. A beginning course in quantum mechanics covering wave mechanics, Fourier methods, Hamilton's equation and Schroedinger's equation and applications, barrier problems, harmonic oscillator, angular momentum, atomic and molecular physics, perturbation, and scattering theory. Prerequisites: PHYS 330/331, and PHYS 463.

PHYS 493 General Relativity (3-0-3), fall, odd years. The geometric approach to the special relativity, basic tensor calculus and geodesic motion, and fundamental solutions to Einstein's equation: Schwarzschild and black holes, and FRW and big-bang cosmology. Prerequisite: PHYS 330/331. Concurrent enrollment in PHYS 463 or MATH 361 required.

PHYS 497 Physics Capstone I (2-0-2), fall. The first of a two-course capstone sequence, including topics in ethics, history of science, the relationship of faith and science, research plan development, and professional preparation. Prerequisite: The student must be a physics major of senior standing, prepared to graduate either the following May or December one year from the completion of this part of the Capstone. At least concurrent with PHYS 363. A capstone and writing-intensive course.

PHYS 498 Physics Capstone II (2-0-2), spring. The second of a two-course capstone sequence, completing the research proposed in Physics Capstone I. Prerequisite: The student must be a physics major of senior standing, prepared to graduate either the following May or December after the completion of the Capstone; PHYS 497. A capstone course.

PHYS 499 Research (3-0-3), by arrangement. Research problems in physics and astronomy. Consult the faculty member with whom the student wishes to work for details.

POLC – CRIMINAL JUSTICE
Department of Political Science (CAS)

POLC 205 Introduction to Criminal Justice (3-0-3), fall. An introduction to the concepts of criminal justice, the criminal justice system, deviance, crime, social control, law, justice, and constitutionalism, including the roles of the police, the courts, and corrections in the context of the American system of criminal justice.

POLC 355 Social Deviance (3-0-3), spring. A theoretical and descriptive analysis of socially deviant behavior and the social interactive process in its definition and control. Same as SOCI 355.

POLC 410 Law and Inequality (3-0-3), spring. The history and development of social control, tracing its theoretical foundations from the Middle Ages to the present. The development of the concept of law in Western society, how it functions, and its role in social control.

POLC 499 Criminal Justice Internship (1-0-0)*, fall, spring. A supervised on-the-job learning experience within an approved work setting relevant to academic and career goals. A capstone course.

POLS - POLITICAL SCIENCE
Department of Political Science (CAS)

POLS 221 Government and Business (3-0-3), fall, spring. Explores the mutual interaction of American business and government and the consequences for political and economic life. May be used to satisfy University Requirements.

POLS 225 National Government (3-0-3), fall, spring, summer. The American political system. May be used to satisfy University Requirements.

POLS 226 States and Federal System (3-0-3), fall, spring, summer. The politics of the federal system with special emphasis upon Texas government and politics. This course serves as the requisite government course for all students seeking teacher certification in Texas. May be used to satisfy University Requirements.

POLS 227 Introduction to International Relations (3-0-3), fall, spring. Introduces students to the major theories, themes, and sub-disciplines of this interdisciplinary subject. Material includes the Cold War, deterrence, globalization, nationalism, development, and terrorism. May be used to satisfy University Requirements.

POLS 315 Political Science Research Methods (3-1-4), fall. Theories, methods and statistical analyses used in political science research will be evaluated, compared and critiqued. Students will gain a healthy appreciation of research design, statistical analysis, and of the computer application of these principles. Prerequisites: MATH 120 or higher; junior standing or consent of department chair. For majors only.

POLS 341 American Public Policy (3-0-3), fall, odd years. An introduction to the study of public policy and policy analysis through examining specific policy problems such as poverty, health, pollution,
taxation, and crime. Attention will be given to the alternative approaches for recommending and evaluating policy consequences.

POLS 344 Comparative Politics (3-0-3), on demand. An examination of structural and behavioral issues associated with the comparative study of political systems. Examples and case studies will be drawn from industrialized, transitional, and less developed nations. Prerequisite: POLS 200-level course.

POLS 345 Comparative Public Policy (3-0-3), on demand. A comparative study of public policy formulation, implementation, and consequences.

POLS 357 West European Politics (3-0-3), on demand. The politics and government of Great Britain, France, and Germany. Also included will be an overview of the major transnational institutions of Western Europe.

POLS 358 CIS and East European Politics (3-0-3), on demand. The politics of the Commonwealth of Independent States and the nations of Eastern Europe, including consideration of the ideological foundations, governmental structures, and recent political issues.

POLS 360 Politics of Developing Countries (3-0-3), fall, even years. A comparative examination of the nature of processes of political change and development in lesser developed countries, including China and India. Prerequisite: POLS 200-level course.

POLS 361 Politics of the Middle East (3-0-3), spring, odd years. The political trends and movements in the Middle East. The forces of change such as nationalism, Islamic revivalism, and Arab-Israeli peace process, and regional conflicts are given special attention. Prerequisite: POLS 200-level course.

POLS 381 American Political Process (3-0-3), spring, even years. Parties, interest groups, political behavior of voters and elected officials, public opinion, and elections.

POLS 382 American Presidency (3-0-3), fall, even years. An introduction to the American presidency, examining the organization of the office and relations with legislative, bureaucratic, judicial, and political groups.

POLS 383 Congress and Legislative Process (3-0-3), spring, odd years. The United States Congress and its members in the making of public policy. Attention is given to the development of Congress, the current status of the Congress, and the functions of Congress in the American political system.

POLS 384 American Judicial Process (3-0-3), fall, odd years. Explores the structure and function of the judicial branch of government as it exists in our society today.

POLS 385 American Foreign Policy (3-0-3), on demand. An analysis of the processes and institutions involved in making U.S. foreign policy. The roles of the President, Congress, news media, interest groups, public opinion and important forces that influence the policy process. Prerequisite: POLS 200-level course.

POLS 393 Peace, Power and Politics (3-0-3), spring, even years. Examines classic and contemporary views of political power and the state with a focus on non-violence as an alternative to war. Prerequisite: Sophomore standing.

POLS 395 Public Administration (3-0-3), fall. An inquiry into the role of bureaucracy and democracy of large-scale organizations in contemporary American politics.

POLS 420 Public Service Seminar (3-0-3), summer only. The seminar provides an intensive introduction to the study of public service with special emphasis on fundamental problems and issues facing practitioners and critical analysis of significant works. Course open to Pope Fellows only.

POLS 431 Constitutional Law: Powers (3-0-3), on demand. Examines the exercise of federal power within the confines of the U.S. Constitution. Judicial review by the federal courts, presidential power, congressional power, and American federalism will all be covered.

POLS 432 Constitutional Law: Civil Rights (3-0-3), on demand. Examines the civil rights and civil liberties of individuals in the United States. Topic areas include free speech, criminal procedures, cruel and unusual punishment, privacy, and equal protection issues.

POLS 481 International Relations Theory (3-0-3), spring. Introduces upper-level Political Science majors to the major and critical international relations theories. Covers realism, liberalism, and constructivism, as well as feminism and neo-Marxism. Prerequisite: POLS 227.

POLS 484 International Law and Organizations (3-0-3), on demand. Universal and regional international organizations and international law, their function and processes, their limits and possibilities, and their relationships to the international system. Special emphasis is given to the United Nations system. Prerequisite: POLS 200-level course.

POLS 485 International Political Economy (3-0-3), on demand. Examination of the political determinants and consequences of economic relations between the nations of the world. Topics include international trade, international finance and financial organizations, regional economic organizations, and economic treaties and conventions. Prerequisites: POLS 200-level course; ECON 260.

POLS 487 Terrorism Studies (3-0-3), spring. Examines and critiques the major themes of the field of Terrorism Studies. Will seek to answer: how do liberal democracies resolve political violence without betraying the rights and liberties of their citizens? Prerequisite: POLS 227.

POLS 488 Topics in International Politics (3-0-3),* on demand. Consideration on a rotation of selected topics in international politics. Offerings will include nuclear weapons in international politics, ethical issues in international politics, and the theory of international politics.

POLS 489 International Relations and Christianity (3-0-3), fall, even years. Interrogates the use of power from the perspectives of Christian realism, the Just War tradition, pacifism, and liberation theology. Prerequisite: POLS 227.

POLS 490 Early Political Theory (3-0-3), fall, even years. The major political philosophers from Plato to Machiavelli. Same as PHIL 490.

POLS 491 Recent Political Theory (3-0-3), spring, odd years. The major political philosophers from Machiavelli to the present. Same as PHIL 491.

POLS 492 American Political Thought (3-0-3), fall, odd years. A study of the political thought and movements which have shaped American institutions from colonial times to present. A writing-intensive course.

POLS 493 Topics in Contemporary Political Thought (3-0-3), spring, even years. An examination of varying political ideas and concepts relevant in the contemporary world. Course topics include 20th century political thought, the crisis of liberalism, and religion and politics. A writing-intensive course.

POLS 494 Public Administration Management (3-0-3), on demand. A survey of management problems in the public sector.

POLS 497 Topics in Public Administration (3-0-3),* on demand. A consideration of special issues or topics in governmental administration or bureaucracies. Possible topics include organizational behavior, the street-level bureaucrat, literature and bureaucracy, and the Christian and public policy.

POLS 499 Public Service Internship (0-0-3),* on demand. Links public-sector employment with classroom work. Exposure to public-sector problems and opportunities. Prerequisites: Junior standing and approval by the department internship director. For majors only. A capstone course.

POLS 590 Early Political Theory (3-0-3), fall, even years. The major political philosophers from Plato to Machiavelli.

POLS 591 Recent Political Theory (3-0-3), spring, odd years. The major political philosophers from Machiavelli to the present.
POLS 595 Public Administration (3-0-3), fall. An inquiry into the role of bureaucracy and democracy of large-scale organizations in contemporary American politics.

POLS 597 Topics in Public Administration (3-0-3)* on demand. A consideration of special issues or topics in governmental administration or bureaucracies. Possible topics include organizational behavior, the street-level bureaucrat, literature and bureaucracy, and the Christian and public policy.

**PSYC – PEACE AND SOCIAL JUSTICE**
Department of Political Science (CAS)

PSJS 499 Peace and Social Justice Capstone (3-0-3). As a non-classroom course, the capstone is based on a service-learning experience at a non-profit or public organization that will require students to reflect on justice and peace through a substantial paper. A capstone course.

**PSYC - PSYCHOLOGY**
Department of Psychology (CAS)

PSYC 100 Discovery: Career and Life Planning (1-0-1), fall, spring. Designed to help students discover their gifts in pursuit of their career and calling. Focuses on self-assessment, conducting occupational research, networking, and informational interviewing. Speakers from various professions and alumni will provide information about careers and integrating faith with their career.

PSYC 120 Introduction to Psychology (3-0-3), fall, spring, summer. A comprehensive survey of the science of psychology emphasizing human behavior. May be used to satisfy University Requirements.

PSYC 201 Psychology Seminar (1-0-1), fall, spring. Introduction to the training and career opportunities in psychology; strategies for studying psychology. Relation to Christian beliefs to the study of psychology. To be taken in the first semester of the psychology major. Fifty hours of community experience in an approved setting is required.

PSYC 232 Developmental Psychology (3-0-3), fall, spring. A survey of the biological, cognitive, moral, and psycho-social development of the individual from conception through death. May be used to satisfy University Requirements.

PSYC 233 Physiological Psychology (3-0-3), fall, spring. Special emphasis on the nervous system, brain and behavior, neuroanatomy, genetics, neurological basis of learning, cognition, sensation, memory, motivation, and abnormal behavior. Prerequisite: BIOL 101 or 112/113 or 203.

PSYC 241 Cognition and Learning (3-0-3), fall, spring, summer. Includes the fundamentals of perception, learning, memory, cognition, and intelligence.

PSYC 278 Stress and Its Management (3-0-3), spring, summer. The impact of stress on physical and emotional health; survey and practice of stress management methods.

PSYC 301 Psychology Seminar II (1-4*-1), fall, spring. Discussion of personal, professional, and Christian ethics in psychology. Application of psychological knowledge to contemporary social issues. *Either 50 hours of approved community experience or a social issue paper is required.

PSYC 305 Peacemaking (3-0-3), fall, odd years. Prepares students to recognize, analyze, and act to prevent or stop destructive conflict and transform it into social change that is just and that meets human needs. Prerequisite: ENGL 111 or equivalent and university required COMM.

PSYC 311 Elementary Statistics (3-0-3), fall, spring, summer. Introduction to basic formulas, methods, and interpretations of statistical measures, both descriptive and inferential. Prerequisite: Completion of university mathematics requirement.

PSYC 342 Applied Sports Psychology (3-0-3), fall. Development of knowledge and skill in the application of psychology to the enhancement of sport and exercise performance and to the personal development of the athlete.

PSYC 345 Sexual Minorities: Identities and Communities (3-0-3), fall. A survey of the development of sexual minority identities and communities and their interaction with majority culture based on critical assessment of social/behavioral science research. Prerequisite: CORE 110, COMM 211, ENGL 112. May be used to satisfy University Requirements.

PSYC 351 Experimental Psychology (3-2-4), fall, spring. A survey of experimental methods employed in the study of human behavior. Special attention is given to the sensory systems, perception, and learning. Required laboratory is graded with the course. Prerequisite: PSYC 368.

PSYC 356 Health Psychology (3-0-3), spring. Psychological study of the impact of behavior on health and the influence of health and disease states on quality of life. Includes biopsychosocial study of the behavioral correlates of health, illness and disability, the improvement of health care, and the development of healthy habits and reduction of unhealthy behaviors.

PSYC 368 Psychological Tests and Measurements (3-0-3), fall, spring. A study of the principles of psychological measurement including scale development and evaluation. An overview of the major assessment instruments in each area of psychological testing. Prerequisite: Completion of university mathematics requirement.

PSYC 370 Social Psychology (3-0-3), fall, spring, summer. A study of the processes of intergroup and interpersonal interaction and their consequences. Prerequisite: PSYC 120 or SOCI 111.

PSYC 372 Child Abuse: Recognition and Response (3-0-3), fall. Focuses on identification, reporting, intervention, and prevention of child sexual abuse, physical abuse, and neglect. Special attention will be given to the roles of different disciplines including nursing, social work, education, and psychology. Prerequisite: Junior standing.

PSYC 373 Characteristics and Needs of Exceptional Children (3-0-3), fall. A survey of the nature and needs of exceptional children, such as the mentally retarded, gifted, and emotionally disturbed.

PSYC 374 Emotional and Behavioral Disorders in Children (3-0-3), fall, spring. A study of social and emotional problems in children and adolescents including intervention and prevention strategies. Limited to students admitted to Teacher Education or majoring in Psychology. Prerequisites: SPED 371 or PSYC 232. Same as SPED 374.

PSYC 376 Psychology of Mental Retardation (3-0-3), fall. The nature and characteristics of mental retardation and its social, emotional, and cognitive aspects.

PSYC 382 Abnormal Psychology (3-0-3), fall, spring, summer. A study of the types of psychopathologies, their causes, and accepted methods of treatment.

PSYC 388 Teams and Team Leadership (3-0-3), fall. Analysis of the factors contributing to the success of teams in complex organizations; focusing on team selection, development, training, and evaluation. Students will develop skills through team building, and by leading in simulations and team projects.

PSYC 392 Child Psychology (3-0-3), fall. An advanced course in the study of children and adolescents, including physical, emotional, cognitive, moral, and social development.

PSYC 401 Psychology Seminar III (1-4*-1), fall, spring. Detailed study of graduate school admissions and job search strategies including school selection, personal skills assessment, resume writing, and interviewing. To be taken in the junior year. *Fifty hours of approved community experience or other approved experience is required.

PSYC 451 Statistics in Psychological Research (3-0-3), fall. Basic formulas, methods and interpretations of statistical measures, both descriptive and inferential. Special emphasis placed on the integration of statistics and experimental design in psychological research.
Provides extensive training in SPSS software skills for data analysis and display. Prerequisite: PSYC 351.

PSYC 471 Behavior Modification (3-0-3), on demand. An introduction to behavior and cognitive-behavior therapy. Major topics include learning foundations and theoretical bases. Therapy techniques, applications to specific clinical problems, prominent research, and ethics are also considered. Prerequisites: PSYC 241, 12 hours of psychology.

PSYC 485 Introduction to Counseling (3-2-4), fall, spring. Introduction to theory and practice of counseling. Emphasis is on the development of essential attending, interviewing, and influencing skills. Course requires a lab. Laboratory graded and credited with course. Prerequisite: PSYC 382. A capstone course.

PSYC 487 Theories of Personality (3-0-3), on demand. Personality theories, their historical development, concepts, issues, and methods of research, assessment, and treatment that are essential for preparation for professional areas of applied psychology. Prerequisite: 15 hours of psychology or consent of advisor.

PSYC 493 History of Theories in Psychology (3-0-3), fall, spring. Survey of major psychological theories and systems and an overview of the history of psychology with an emphasis on modern history. Prerequisites: Psychology major or minor and 12 hours of psychology. A capstone and writing-intensive course.

PSYC 499 Senior Project and Seminar (1-6-3), on demand. Observation, experience, and research in a specific area. Each student will be required to attend a weekly seminar. Guest speakers and ACU faculty will address professional issues. May be repeated.

PSYC 511 Elementary Statistics (3-0-3), fall, spring, summer. Introduction to basic formulas, methods, and interpretations of statistical measures, both descriptive and inferential.

PSYC 542 Applied Sports Psychology (3-0-3), fall. Development of knowledge and skill in the application of psychology to the enhancement of sport and exercise performance and to the personal development of the athlete.

PSYC 571 Behavior Modification (3-0-3), on demand. An introduction to behavior and cognitive-behavior therapy. Major topics include learning foundations and theoretical bases. Therapy techniques, applications to specific clinical problems, prominent research, and ethics are also considered.

PSYC 572 Child Abuse: Recognition and Response (3-0-3), fall. Focuses on identification, reporting, intervention, and prevention of child sexual abuse, physical abuse, and neglect. Special attention will be given to the roles of different disciplines including nursing, social work, education, and psychology.

PSYC 573 Characteristics and Needs of Exceptional Children (3-0-3), fall. A survey of the nature and needs of exceptional children, such as the mentally retarded, gifted, and emotionally disturbed.

PSYC 574 Emotional and Behavioral Disorders in Children (3-0-3), spring. A study of social and emotional problems in children and adolescents including intervention and prevention strategies.

PSYC 576 Psychology of Mental Retardation (3-0-3), fall. The nature and characteristics of mental retardation and its social, emotional, and cognitive aspects.

PSYC 592 Child Psychology (3-0-3), fall. An advanced course in the study of children and adolescents, including physical, emotional, cognitive, moral, and social development.

PSYC 608 School Psychology: Organization, Operations and Ethics (3-0-3), fall. This course introduces students to the field of school psychology. The history, systems, roles and functions of school psychologists are discussed. Readings in contemporary issues and historical events provide the foundation for graduate preparation in school psychology. Significant pre-practicum field experience in schools is required in order to obtain knowledge and experience about the organization and operation of schools. Prerequisite: Admission to a graduate psychology program required.

PSYC 610 Psychotherapy (3-2-3), fall. Studies the problems involved in diagnostic interviewing, case conceptualization, treatment planning, and evaluating treatment effectiveness. Develops specific skills in basic psychological intervention problems. Laboratory graded and credited with the course. Prerequisite: Admission to a graduate psychology program required.

PSYC 611 Introduction to Research (3-0-3), spring. An introduction to research methods and their application to research problems.

PSYC 612 Clinical Research Methods (3-0-3), fall. An emphasis on the conceptualization, design, completion, and evaluation of research in clinical, counseling, and school psychology. Attention is also given to philosophy of science, formulating questions in applied research, choosing appropriate statistical tests, and presenting results in a professional manner.

PSYC 613 Psychopharmacology (3-0-3), fall. This course addresses the most recent neurochemical models used to explain the major psychological illnesses. These models are used to provide an overview of the use of psychoactive drugs to restore mental health and to address the abuse of drugs to restore mental health and to address the abuse of drugs that alter mental processes.

PSYC 620 Group Psychotherapy (3-0-3), fall. Intended to provide training and exposure to techniques in group interventions. Reviews historical perspectives, popular treatment techniques, empirical evidence on treatment efficacy, ethical and legal issues, and integration considerations. Prerequisites: Admission to a graduate psychology program required, PSYC 610.

PSYC 624 Social and Cultural Bases of Behavior (3-0-3), spring. Study of classic and contemporary theories and empirical research of social and cultural foundations of behavior and their impact on the therapeutic relationship, competencies and standards, and culture specific knowledge. Emphasizing social cognition, stereotypes and prejudice, group processes, conformity, and gender/ethnic psychology.

PSYC 625 Seminar in Intercultural Studies (3-0-3), spring. Observation and analysis of human behavior in small groups. Abstraction of taken-for-granted behavior patterns and fundamental psychological variables universal to such groups.

PSYC 631 Human Life Cycle II (3-0-3), fall. Provides a thorough survey of the specified divisions of the life span from early adulthood, through middle adulthood and late adulthood to death. Same as GERG 631.

PSYC 641 Behavioral Medicine (3-0-3), summer. The study of psychological factors that influence physical health and illness and the application of behavioral principles to the prevention and treatment of illness and the promotion of health.

PSYC 642 Cognitive Assessment: Intelligence, Memory, and Achievement (3-0-3), fall, spring. An advanced study of the theory, principles, and practice of cognitive assessment. Substantial experience in administration, scoring, interpretation, and report-writing for the most commonly used cognitive assessment tools. Prerequisite: admission to a graduate psychology program required. Testing fee required.

PSYC 643 Personnel Assessment (3-0-3), spring. An overview of the role of assessment in industrial settings. Topics include need assessment, job analysis, personnel selection, interviewing, test selection, test reliability and validity, performance appraisal, ethical and legal issues in assessment, and interpretation of selected tests in employment settings. Prerequisite: PSYC 660, admission to a graduate psychology program required.

PSYC 644 Child and Adolescent Therapy (3-0-3), spring. Survey psychotherapeutic approaches and techniques for child and adolescent problems. Survey conducted within a strong developmental framework. Emphasizes empirically supported psychotherapeutic programs for
specific disorder presentations and conceptual skills necessary for effectively intervening with children, adolescents, and their parents.

Prerequisite: Admission to a graduate psychology program required.

PSYC 645 Child and Adolescent Assessment (3-0-3), fall. Advanced training in the use of psychological assessment instruments for the evaluation of children and adolescents experiencing emotional, behavioral, or academic problems. Preparation of evaluations, recommendations, and report writing for presentation of information to family and professionals is emphasized. Prerequisite: Admission to a graduate psychology program required. Testing fee required.

PSYC 646 Child and Adolescent Development (3-0-3), spring. Overview of conceptual, theoretical, and methodological issues in the study of child and adolescent development in a lecture and seminar format. Coverage will include socio-emotional, biosocial, cognitive, and moral development.

PSYC 647 Child and Adolescent Psychopathology (3-0-3), fall. Overview of conceptual and diagnostic issues in understanding children and adolescents who experience emotional and behavioral disorders. Emphasis on the development of diagnostic skills using the DSM and associated assessment strategies in clinical and school settings. Prerequisite: Admission to a graduate psychology program required.

PSYC 648 Advanced Psychotherapeutic Techniques (3-0-3), on demand. Intense exposure to at least three currently-practiced techniques of psychotherapy. Discussion of theory, practice, and research; demonstrations and observed student practice. Prerequisite: PSYC 610 admission to a graduate psychology program required.

PSYC 649 Behavioral Interventions (3-0-3), spring. Provides students with the knowledge and comprehension of the principles and procedures of behavior modification. In addition, the students will demonstrate the ability to analyze and modify inappropriate behaviors and evaluate intervention programs. Prerequisite: Admission to a graduate psychology program required.

PSYC 650 Ethics and Issues in Professional Psychology (3-0-3), fall. An overview of the ethical and professional issues in applied psychological fields. Topics addressed include credentialing, ethical standards, legal considerations, professional development, and the role of personal beliefs and values in professional practice.

PSYC 657 Multivariate Statistics (3-0-3), spring. An introduction to such topics as statistical inferences, sampling techniques, hypothesis testing, design of experiments, analysis of variance, special correlation methods, multiple prediction, and errors of measurement.

PSYC 660 Clinical Assessment (3-0-3), spring. Theoretical issues and research in clinical assessment with special reference to administration and interpretation of testing procedures and clinical interviewing. Specific training with various methods of personality testing, behavioral assessment, and interviewing techniques. Prerequisite: Admission to a graduate psychology program required. Testing fee required.

PSYC 664 Theory and Practice of Career Counseling (3-0-3), summer. A study of social, economic, and occupational information as related to helping relationships. It is designed to acquaint the student with the essential nature of such information in career decision making, job analysis, and its use in career counseling. Prerequisites: PSYC 610, PSYC 660, admission to a graduate psychology program required. Testing fee required.

PSYC 665 Theories of Counseling and Psychotherapy (3-0-3), fall. Survey of influential theories of counseling and psychotherapy with emphasis on their implications for contemporary research and practice.

PSYC 667 Introduction to Neuropsychological Assessment (3-0-3), fall. Theory, research and practice related to the behavioral expression of brain dysfunction. Overview of selected neuropsychological instruments in current use and their clinical applications. Emphasis on a functional, hypothesis-testing approach and the integration of case history and test data to determine diagnostic indications and remedial prescriptions. Testing fee required.

PSYC 668 Advanced Behavioral Neuroscience (3-0-3), fall. Develops a knowledge base in neuroanatomy and neurophysiology and the conceptualization of human behavior (emotions, cognition, and executive systems) in a neurobiological context.

PSYC 669 Human Learning and Cognition (3-0-3), fall. An overview of information processing theory as applied to human learning and cognition with application to assessment and intervention with individuals with disordered cognition.

PSYC 670 Advanced Behavioral Neuroscience (3-0-3), fall. Provides a study of the factors contributing to success of teams in complex organizations, including professional activities in clinical, counseling, school or industrial psychology. A variety of practicum settings are available. A minimum of 160 clock hours of supervised experience is required. Prerequisites: PSYC 645, 647, 649, 690.
PSYC 695 School Psychology Internship (0-0-3), on demand. The opportunity to demonstrate, under conditions of appropriate supervision, the application of knowledge, development of skills for effective school psychological service delivery, and integration of competencies addressing professional preparation and practice. A minimum of 1200 clock hours required, with 600 in the public school setting. Prerequisites: Completion of all required course work for the specialist degree in School Psychology including: PSYC 608, 612, 624, 642, 644, 645, 646, 647,649, 657, 668, 669, 676, 690, 694, SPED 577, 683, 685.

PSYC 699 Master's Thesis (0-0-6).*

READ - READING
Department of Teacher Education (CEHS)

READ 322 Reading in Secondary Content Areas (3-0-3), fall, spring, summer. Designed to analyze reading skills involved in secondary content areas, including techniques of teaching study skills, improving comprehension, and vocabulary growth. Prerequisites: EDUC 211 and 221. Admission to Teacher Education Program required.

READ 363 Foundations of Reading (3-0-3), fall, spring, summer. Introduces current reading theory, practice, and approaches in developmental reading, age 3 through grade 12. Prerequisites: EDUC 211 and EDUC 250. Admission to Teacher Education Program required.

READ 460 Reading Assessment and Instruction (3-0-3), fall, spring. A field-based course emphasizing informal and observational assessment approaches to correction of reading problems, age 3 through grade 12. Prerequisites: EDUC 211, 331; READ 363. Admission to Teacher Education Program required.

READ 464 Reading-Writing Connection (3-0-3), fall, spring. A study of the related language arts taught in the elementary school. Prerequisites: EDUC 211, EDUC 250, EDUC 331 and READ 363. Admission to Teacher Education Program required.

READ 480 Problems in Reading (3-0-3), fall, spring. Field-based application of reading instruction and assessment methods. Course emphasizes data-driven decision making and differentiated instruction in reading. Prerequisites: EDUC 331 and READ 363. Admission to Teacher Education Program required.

SOCI - SOCIOLOGY
Department of Communication and Sociology (CAS)

SOCI 111 Introduction to Sociology (3-0-3), fall, spring. An introduction to sociology as a social science. Basic concepts and principles of the discipline are employed in fulfilling the influence of culture and social interaction on social behavior. May be used to satisfy University Requirements.

SOCI 222 Social Problems (3-0-3), fall, spring. Application of sociological concepts and methods of analysis to selected current social problems such as overpopulation, poverty, race and ethnic relations, the family, crime and delinquency, mental disorders, drug abuse, and suicide. May be used to satisfy University Requirements.

SOCI 350 Sociology of Aging (3-0-3), spring. An overview of the research and literature related to the demographic, social, and cultural aspects of aging in the United States and in other cultures. Same as GERO 350/550.

SOCI 356 Sociology of the Family (3-0-3), fall, alternating years. This course is designed to provide an understanding of contemporary courtship, marriage, and family interaction as cultural, social, and social-psychological phenomena. With special consideration of the major sources of marital strain and conflict within a heterogeneous, rapidly changing society.

SOCI 380 Urban and Community Studies (3-0-3), spring, alternating years. The nature, processes, and trends of urbanization and their impact upon the social systems, the family, and the individual. Special emphasis on U.S. cities and related research.

SOCI 385 Social Theory (3-0-3), fall. Overview of major sociological theories and theorists including an examination of the application of sociological theory to contemporary social thought and policy making. An introduction to the method of theory construction. Prerequisite: SOCI 111. A writing-intensive course.

SOCI 415 Social Research (3-0-3), fall, spring. An application of the scientific method to the study of social phenomena; consideration of basic methods of data gathering, analysis and reporting, including basic statistics. Students experience organizing, conducting, and evaluating research. A capstone and writing-intensive course.

SOCI 416 Social Statistics (3-0-3), fall, spring. An introduction to computer-assisted statistical analysis of social data, with the emphasis on nonparametric concepts and applications. Prerequisite: Junior standing or approval of the instructor.

SOCI 442 Cultural Diversity (3-0-3), fall, spring. A study of American minority relations including facts and myths, causes and consequences of prejudice, and patterns of intergroup relations. May be used to satisfy University Requirements.

SOCI 460 Ethics and Social Issues (3-0-3), fall, spring. An attempt to help students reach a higher critical and reflective consciousness of the relationship of ethics to professional and business decision making and problem solving. Same as GERO 460/560.

SOCI 477 Sociology of Religion (3-0-3), spring, alternating years. Explores social scientific efforts to study and analyze religion, social origins and influence of religion, religion's influence on society, and contemporary social forces impacting on religion's trends and the future of religion. Emphasis is placed on U.S. religions.

SOCI 480 Inequality and Social Justice (3-0-3), fall, alternating years. Explores the relationship between social inequality and social justice focusing on several interrelated issues including income inequality, wealth inequality, race and ethnic inequality, gender inequality, and political inequality. Prerequisite: Junior standing.

SOCI 498 Sociological Practice I (3-0-3), fall, spring. A supervised on-the-job learning experience within an approved work setting relevant to academic and career goals and designed to provide constructive sociological assistance to community organizations.

SOCI 516 Social Statistics (3-0-3), fall, spring. An introduction to computer-assisted statistical analysis of social data, with the emphasis on nonparametric concepts and applications. Prerequisite: Junior standing or approval of the instructor.

SOCI 542 Cultural Diversity (3-0-3), fall, spring. A study of American minority relations including facts and myths, sources and consequences of prejudice, and patterns of intergroup relations.

SOCI 550 Sociology of Aging (3-0-3), spring. An overview of the research and literature related to the demographic, social, and cultural aspects of aging in the United States and in other cultures. Same as GERO 350/550.

SOCI 560 Ethics and Social Issues (3-0-3), fall, spring. An attempt to help students reach a higher critical and reflective consciousness of the relationship of ethics to professional and business decision making and problem solving. Same as GERO 460/560.

SOCI 562 Families in Society (3-0-3), fall. Examines historical and current trends in marriage and family life relevant to contemporary American society. The course provides an eco-systemic view of marriage and family life and demonstrates how social policies and family laws as well as social service programs impact the ability of families to fulfill their social functions.

SOCI 577 Sociology of Religion (3-0-3), spring, alternating years. Explores social scientific efforts to study and analyze religion, social origins and influence of religion, religion's influence on society, and
contemporary social forces impacting on religion's trends and the future of religion. Emphasis is placed on U.S. religions.

**SOCW 580 Inequality and Social Justice** (3-0-3), fall, alternating years. Explores the relationship between social inequality and social justice focusing on several interrelated issues including income inequality, wealth inequality, race and ethnic inequality, gender inequality, and political inequality. Prerequisite: junior standing.

**SOCW 615 Social Research** (3-0-3), fall. An application of the scientific method to the study of social phenomena; consideration of basic methods of data gathering, analysis and reporting, including basic statistics. Students experience organizing, conducting and evaluating research. Same as GERO 615.

**SOCI - SOCIOLOGY**

*Department of Political Science (CAS)*

**SOCI 355 Social Deviance** (3-0-3), spring. A theoretical and descriptive analysis of socially deviant behavior and the social interactive process in its definition and control. Same as POLC 355.

**SOCI 388 Crime and Delinquency** (3-0-3), fall. An overview of the extent, trend, and types of criminal and delinquent behavior as well as research findings and theories associated with it.

**SOCI 410 Law and Inequality** (3-0-3), spring. The history and development of social control, tracing its theoretical foundations from the Middle Ages to the present. The development of the concept of law in Western society, how it functions, and its role in social control. Prerequisites: POLC 205, SOCI 388, junior standing. Same as POLC 410.

**SOCW - SOCIAL WORK**

*School of Social Work (CEHS)*

**SOCW 230 Introduction to Social Work** (3-0-3), fall, spring. Introduction to the field of social welfare, including the history and current structures of social welfare policy and services in the U.S. The social work profession is presented and major fields of practice are identified.

**SOCW 250 Person to Person: The Fundamental Skills of Relating** (3-0-3), fall, spring. An exploration of relationship skills and social work values needed for practice. Emphasis is placed on student experience in expanding personal skill areas. Principles of interviewing are introduced.

**SOCW 327 Micro/Mezzo Human Behavior Theory** (3-0-3), fall. An examination of the biopsychosocial factors that shape human experience; attention is given to the impact of mezzo and micro systems, including families and individuals. Additional emphasis is given to diversity in these systems and within and among various groups. Special attention is given to the role of social, cultural, and spiritual development across the life span.

**SOCW 329 Diversity, Power, and Oppression** (3-0-3), spring. A foundation for the understanding of the nature, character and consequences of being excluded from available opportunities and services. Although institutional racism and sexism are the main thrust, the course also explores the implications of discrimination for other special populations, including ethnic groups, older persons, and the disabled. May be used to satisfy University Requirements.

**SOCW 351 Social Work Practice with Micro Systems** (3-1-4), fall. Principles of social work practice; knowledge, values, and skills demanded of the social work professional in working with micro systems. Laboratory graded and credited with the course. Prerequisite: Admission to the social work program or permission of the director.

**SOCW 381 Field Practicum I** (1-2-3), fall. Experience in a social service agency applying knowledge and theory and developing practice skills for a beginning level social work practitioner. Students complete 200 clock hours under the supervision of an agency-based field instructor and attend field seminar class weekly.

**SOCW 415 Social Research** (3-0-3), fall. Social Work practice-focused quantitative and qualitative research knowledge and skills. Includes critical evaluation of empirical literature and basic research methodology including construct operationalization; study design; selection, development, implementation, and evaluation of measures and instruments. Prerequisite: Admission to the social work program or permission of the director.

**SOCW 416 Program and Practice Evaluation** (3-0-3), spring. Covers analysis of the strengths/limitations of needs assessment and program evaluation methods; the analysis and management of program data using statistical software; and the measurement of program goals/objectives through process and outcome evaluations. With an emphasis on critical thinking and evidence-based practice, students will utilize these skills to perform evaluations in their areas of interest. Prerequisite: SOCW 415. A capstone course.

**SOCW 441 Social Welfare Policy and Services** (3-0-3), fall. A descriptive and analytical study of social welfare programs and policies; examination of the relationship between social work and other aspects of the U.S. social welfare system noting overall impact on service delivery. Same as GERO 441.

**SOCW 442 Policy Analysis and Practice** (3-0-3), spring. An examination of the political and ideological factors of policy development, implementation and evaluation. An analysis of the elements that affect the intended and unintended outcomes of policy implementation and explores criteria for evaluating the attainment of policy goals and objectives. Emphasis on policy practice and political advocacy. Prerequisites: SOCW 351 and SOCW 441.

**SOCW 451 Social Work Practice with Macro Systems** (3-1-4), spring. Principles of social work practice; knowledge, values, and skills demanded of the social work professional in working with mezzo and macro systems. Laboratory graded and credited with the course. Prerequisite: SOCW 351. A writing-intensive course.

**SOCW 481 Field Practicum II** (1-6-7), spring. Continued experience in the same social service agency applying knowledge and theory and developing practice skills for a beginning level social work practitioner. Students complete 250 clock hours under the supervision of an agency-based field instructor and attend a field seminar class weekly. Prerequisite: SOCW 381. Concurrent enrollment in SOCW 451 required. A capstone course.

**SOCW 615 Social Work Research Methods** (3-0-3), fall. Social Work practice-focused quantitative and qualitative research knowledge and skills. Includes critical evaluation of empirical literature and basic research methodology including construct operationalization; study design; selection, development, implementation, and evaluation of measures and instruments.

**SOCW 616 Program and Practice Evaluation** (3-0-3), spring. Covers analysis of the strengths/limitations of needs assessment and program evaluation methods; the analysis and management of program data using statistical software; and the measurement of program goals/objectives through process and outcome evaluations. With an emphasis on critical thinking and evidence-based practice, students will utilize these skills to perform evaluations in their areas of interest. Prerequisite: SOCW 615.

**SOCW 625 Human Behavior in the Social Environment** (3-0-3), fall. An examination of the biopsychosocial factors that shape human experience. Social, cultural and spiritual developments across the life span are emphasized.

**SOCW 626 Diversity, Power and Oppression** (3-0-3), spring. A foundation for the understanding of the nature, character and consequences of exclusion of marginalized populations. Although institutional racism and sexism are the main thrust, the course also explores the implications of discrimination for other special populations, including ethnic groups, older persons, and the disabled. Prerequisite: SOCW 625.
SOCW 641 Social Welfare Policy and Services (3-0-3), fall. Provides a historical overview of the development of social welfare policies and the profession of social work. The course also prepares students to analyze social problems systematically and to gain understanding of the social welfare system in the U.S.

SOCW 642 Policy Analysis and Practice (3-0-3), spring. The development, implementation and evaluation of social welfare policy, with special attention to social policies that affect disadvantaged and oppressed groups in society. The role of the economy, politics and culture in policy development and implementation are also examined. Prerequisite: SOCW 641.

SOCW 651 Foundations of Evidence-Based Social Work Practice I (3-0-3), fall. Foundations of evidence-based practice with individuals, families, organizations and communities within a framework of core social work values and practice obligations. Situations are viewed from an ecological perspective, targeting for change all client and community systems that are contributing to client problems. Concurrent enrollment in SOCW 681 required.


SOCW 681 Foundation Field Practicum I (1-3-4), fall. Experience in a social service agency applying generalist knowledge and theory and developing practice skills for a beginning level social work practitioner. Students complete 200 clock hours under the supervision of an agency-based field instructor and attend a field seminar class weekly. Concurrent enrollment in SOCW 651 required.

SOCW 682 Foundation Field Practicum II (1-3-4), spring. Continued experience in the same social service agency applying generalist knowledge and theory and developing practice skills for a beginning level social work practitioner. Students complete 200 clock hours under the supervision of an agency-based field instructor and attend a field seminar class weekly. Concurrent enrollment in SOCW 652 required.

SOCW 690 Social Services Internship (0-0-6).*

SOCW 702 Integrative Seminar Advanced Standing (6-0-6), summer. This course is intended to supplement the knowledge, skills, and values foundation developed in participants' BSW programs. Utilizes a case-based learning format to address topics necessary for advanced MSW-level practice and learn the evidence-based model of practice.

SOCW 725 Spirituality and Social Work (3-0-3), fall. Provides a framework for spiritually sensitive social work practice applied to systems of various sizes, including individuals, families, groups, organizations and communities. Prerequisite: SOCW 652 or SOCW 702.

SOCW 741 Globalization and Social Justice (3-0-3), spring. This course examines the dynamics of globalization and the resultant impact on the poor, oppressed, and vulnerable of the world. The course emphasizes international social work as a means to promote global justice.

SOCW 744 Management and Funding of Nonprofit Organizations (3-0-3), fall. A core curriculum offering for students seeking the master's degree in Social Work, focus is on the commonly accepted functions of management in nonprofit and governmental organizations (planning, organizing, staffing, directing, controlling, communicating, and problem-solving). Particular emphasis is placed on governance, fiscal management, accountability, and evaluation of institutional and program effectiveness. Same as GERO 744.

SOCW 745 Leading and Managing Change in Nonprofit Organizations (3-0-3), spring. Develops knowledge and skills for managing change in a social service agency; prepares students to use selected strategies for organizational change using a problem-solving/decision-making approach to organizational behavior. Attention is given to leadership issues in non-profit management and resource development (grant and contract writing and management). Same as GERO 745.

SOCW 748 Psychopathology in Social Work Practice (3-0-3), fall. This course is designed to prepare social workers to engage, assess, and intervene within the scope of mental health practice. Through critical examination of the Diagnostic and Statistical Manual of Mental Disorders (5th Ed.; DSM-5), learners develop skills essential for ethical and competent assessment, diagnosis, and intervention.

SOCW 751 Advanced Evidence-Based Practice Interventions I (3-0-3), fall. This course emphasizes development of advanced social work practice competencies within the advanced generalist framework. Specific advanced generalist competencies addressed in this course include: ethical reasoning and ethical decision making; using existing practice-related research evidence to facilitate practice decisions; use of a common factors model to engage, assess, and intervene at multiple levels of client systems; and critical self-evaluation of practice-related skills and abilities. Prerequisites: SOCW 651 and 652. Concurrent enrollment in SOCW 781 required.

SOCW 752 Advanced Evidence-Based Practice Interventions II (3-0-3), spring. This course focuses on social work practice models that are rooted in systems theory, cybernetics, and post-modernism. Students learn theory and application of several models of marital and family therapy applicable to social work client systems of all sizes (e.g., micro, mezzo, macro). This course builds on the social worker's ability to engage, assess, and intervene at multiple levels of client systems. Prerequisite: SOCW 751. Concurrent enrollment in SOCW 782 required.

SOCW 781 Advanced Social Work Field Practicum I (0-4-4), fall. Experience in a social service agency applying evidence-based practice principles and working with client systems on all levels as an advanced social work practitioner. Students complete 250 clock hours under the supervision of an agency-based field instructor. Prerequisites: SOCW 652, 681, and 702. Concurrent enrollment in SOCW 751 and SOCW 799 required.

SOCW 782 Advanced Social Work Field Practicum II (0-4-4), spring. Continued experience in the same social service agency applying evidence-based practice principles and working with client systems on all levels as an advanced social work practitioner. Students complete 250 clock hours under the supervision of an agency-based field instructor. Prerequisites: SOCW 781; concurrent enrollment in SOCW 752 and SOCW 799 required.

SOCW 799 Master's Thesis (0-0-6).*

SPAN - SPANISH
Department of Language and Literature (CAS)

SPAN 111 Elementary Spanish I (3-1-3), fall. Introduction to the Spanish language. Emphasis on oral communication skills. Prerequisites: E-ACT English, 19 or above; or SAT verbal of 460; or ENGL 003/004; or approval by department. Non-credit laboratory required. May be used to satisfy University Requirements.

SPAN 112 Elementary Spanish II (3-1-3), spring. A continuation of SPAN 111. Prerequisite: SPAN 111 or equivalent through testing; or placement exam results. Non-credit laboratory required. May be used to satisfy University Requirements.

SPAN 221 Intermediate Spanish I (3-0-3), fall. Writing, conversation, and selected readings, along with grammar review. Prerequisite: SPAN 112 or equivalent through testing; or placement exam results. May be used to satisfy University Requirements.

SPAN 222 Intermediate Spanish II (3-0-3), spring. A continuation of SPAN 221. Prerequisite: SPAN 221 or equivalent through testing; or placement exam results. May be used to satisfy University Requirements.

SPAN 290 Intermediate Conversation Lab (0-1-1), fall, spring. Practice speaking Spanish at the intermediate level in interpersonal and presentational modalities. The goal is attainment of Intermediate mid-
level proficiency on the OPI, or equivalent. May be repeated for credit up to five times. Prerequisite: Concurrent enrollment in SPAN 221, 222 and/or 301 (unless already taken).

SPAN 301 Advanced Communication (3-0-3), fall. Introduction to advanced studies. Practice of reading, listening, speaking and writing at the advanced level. Introduction of concepts and issues in Hispanic literature and culture. Prerequisite: SPAN 222 or equivalent through testing; or placement exam result.

SPAN 305 Immersion Communication (3-0-3), fall. Montevideo only. Development of oral language skills with emphasis on vocabulary building and mastery of idiomatic expressions. Prerequisite: SPAN 222 or equivalent through testing; or placement exam results.

SPAN 310 Spanish for Healthcare Professionals (3-0-3), fall, odd years. Development of oral language skills with emphasis on communicating in a health care or related setting. Examination of cultural issues related to health care. Prerequisite: SPAN 222 or equivalent through testing; or placement exam results.

SPAN 320 Advanced Grammar (3-0-3), spring, odd years. Comprehensive overview of Spanish grammar at the advanced level. Prerequisite: SPAN 301 or 305; or consent of the instructor.

SPAN 321 Advanced Composition (3-0-3), spring, even years. Development of interpersonal and presentational writing in Spanish at the advanced level. Models of usage are drawn from readings. A writing intensive course. Prerequisite: SPAN 301 or 305; or consent of the instructor.

SPAN 342 Peninsular Spanish Culture (3-0-3), fall, even years. Historical, geographical, and cultural backgrounds of modern Spain with selected readings from modern prose. Prerequisite: SPAN 301, 305 or concurrent enrollment in SPAN 301.

SPAN 343 Latin American Culture (3-0-3), spring, odd years. Geographical and cultural backgrounds of modern Hispanic America with selected readings from modern prose. Prerequisite: SPAN 301, 305 or concurrent enrollment in SPAN 301.

SPAN 345 Culture of South American Southern Cone (3-0-3), fall, Montevideo only. Geographical and cultural backgrounds of the Southern Cone region of modern Hispanic America with selected readings from modern prose. Prerequisite: SPAN 222 or equivalent through testing; or placement exam results. Participation in the Montevideo Study Abroad Program. Same as GLST 217.

SPAN 360 Survey of Peninsular Literature (3-0-3), fall, odd years. An overview of major literary works from the Middle Ages to the twentieth century. Prerequisite: SPAN 301, 305 or concurrent enrollment in SPAN 301.

SPAN 361 Survey of Latin American Literature (3-0-3), spring, even years. An overview of major literary works from the colonial period to the twentieth century. Prerequisite: SPAN 301, 305 or concurrent enrollment in SPAN 301.

SPAN 365 Survey of South American Southern Cone Literature (3-0-3), fall. An overview of major literary works from the Southern Cone of South America, especially Uruguay. Prerequisite: SPAN 305 or equivalent through testing; or placement exam results. Participation in the Montevideo Study Abroad Program.

SPAN 444 Revolution and Insurrection in Latin America (3-0-3), on demand. An overview of the history of revolutions throughout Latin America. Special emphasis on the revolutions for independence of the early 19th century, the Mexican Revolution, and the Cuban revolution. Discussion of ramifications in politics and culture, as seen in fiction and non-fiction literature. Prerequisites: SPAN 342, 343 or 345, or consent of the instructor.

SPAN 460 Drama (3-0-3), fall, even years. Reading and analysis of major dramatic works from both Spain and Latin America. Prerequisites: SPAN 360, 361 or 365, or consent of the instructor.

SPAN 461 Novel (3-0-3), spring, odd years. Reading and analysis of selected novels and short stories from both Spain and Latin America. Prerequisites: SPAN 360, 361 or 365, or consent of the instructor.

SPAN 462 Short Story (3-0-3), spring, even years. Reading and analysis of selected short stories from both Spain and Latin America. Prerequisite: SPAN 360, 361, or 365, or consent of the instructor.

SPAN 470 Christian Expression in Hispanic Writings (3-0-3), fall, odd years. Reading and analysis of selected works of literature that reflect on Christianity through an Hispanic worldview. Prerequisites: SPAN 360, 361, or 365, or consent of the instructor.

SPAN 471 Borges and Cortázar (3-0-3), on demand. Reading and analysis of select works from Jorge Luis Borges and Julio Cortázar. Prerequisites: SPAN 360, 361, or 365, or consent of the instructor.

SPAN 480 Methods of Spanish Acquisition (3-0-3), on demand. Advanced studies in Spanish language and culture in view of a career in foreign language teaching. Prerequisite: SPAN 222 or equivalent through testing.

SPAN 481 Advanced Spanish for Teachers (3-0-3), spring. The essential language functions necessary to acquire an Advanced Proficiency for the State Board of Education Certification in the Texas Oral Proficiency Test. Required of anyone interested in teaching Spanish in the public schools. Prerequisites: Nine hours of upper-level Spanish language courses and admission to the Teacher Education Program.

SPAN 499 Spanish Capstone (3-0-3), spring. An in-depth examination of an issue in Hispanic literature, language, or culture based on student’s career in the department. Prerequisite: Senior standing and 24 credits of advanced Spanish. A capstone and writing-intensive course.

SPED - SPECIAL EDUCATION
Department of Teacher Education (CEHS)

SPED 371 Teaching Students with Special Needs (3-0-3), fall, spring, summer. Provides prospective teachers with an introduction to teaching students with disabilities. State and federal laws, regulations, policies and procedures for identifying and teaching students with disabilities in schools will be addressed. Students will gain knowledge in effective strategies and resources for teaching students with special needs. Prerequisite: EDUC 211. Admission to Teacher Education Program required. A writing-intensive course.

SPED 374 Emotional and Behavioral Disorders in Children (3-0-3), fall, spring. A study of social and emotional deviance in children including intervention and prevention strategies. Limited to students admitted to Teacher Education or majoring in Psychology. Prerequisite: SPED 371 or PSYC 232. Same as PSYC 374.


SPED 481 Teaching Students with Low Incidence Disabilities (3-0-3), spring only. A study of adapted and modified curriculum for special education students. 25 hours of field experiences are included. Prerequisite: SPED 371. Admission to Teacher Education Program required.

SPED 485 Assessment and Behavior in Special Education (3-0-3), spring only. Equips the prospective special education teacher with knowledge and skill in assessing the strengths and needs of students with disabilities and in addressing behavioral issues in special education. Prerequisite: SPED 371.

SPED 488 Programs and Services in Special Education (3-0-3). Students will gain understanding and skill in instructional programming, resource application, collaboration and administration of special education. Prerequisite: SPED 371.
SPED 577 Teaching Students with High Incidence Disabilities  
(3-0-3). A survey of teaching children and adolescents with learning disabilities. Prerequisite: SPED 371. Same as READ 577.

SPED 674 Emotional and Behavioral Disorders in Children  
(3-0-3). A study of social and emotional deviance in children including intervention and prevention strategies. Same as PSYC 574.

SPED 681 Teaching Students with Low Incidence Disabilities  
(3-0-3). Students will examine the instructional needs of children and adolescents with low incidence disabilities including adapted and modified instruction, community integration, and transition planning. 25 hours of field experiences are included. Prerequisite: Admission to Graduate Studies in Education Program.

SPED 684 Assessment in Special Education  
(3-0-3). Equip the prospective special education professional with knowledge and skill in assessing the strengths and needs of students with disabilities.

SPEECH PATHOLOGY (SEE COMP – COMMUNICATION SCIENCES AND DISORDERS)

TECH - TECHNOLOGY  
Department of Teacher Education (CEHS)

TECH 210 Technology in Education  
(2-1-3), on demand. Includes a study of the use of computer applications in education, word processing, databases, spreadsheets for education, software used in education, use and integration of the Internet, developing instructional lessons using technology, and multimedia.

TEA - THEATRE  
Department of Theatre (CAS)

THEA 101 Transforming Artists: An Orientation to the Theatre Major  
(2-0-1), fall. An introduction to the Department of Theatre, guiding students through departmental expectations and the vocation of theatre as believer artist. All entering theatre majors are required to take this course. Theatre pre-majors will be admitted as space allows.

THEA 137 Theatre Workshop: Technical  
(0-1-1),* fall, spring, summer. A practical course in technical aspects of dramatic production. The course may be repeated each semester for credit up to 10 hours.

THEA 138 Theatre Workshop: Performance  
(0-1-1),* fall, spring, summer. For students cast in productions. The course may be repeated each semester for credit up to 10 hours.

THEA 205 Musical Theatre Class Voice I  
(1-0-1), fall. Fundamental study of the singing voice with focus on basic breath and body technique in a master class setting. Fundamentals of music theory and musical theatre style and repertoire. Focus on Golden Age and Legit Styles. Prerequisite: Major and minors only. Course may be repeated for 4 hours of credit.

THEA 206 Musical Theatre Class Voice II  
(1-0-1), spring. Fundamental study of the singing voice with focus on basic breath and body technique in a master class setting. Fundamentals of music theory and musical theatre style and repertoire. Focus on Belting and contemporary. Prerequisite: Major and minors only. Course may be repeated for 4 hours of credit.

THEA 211 Private Voice for Musical Theatre  
(0-1-1), fall, spring. Private weekly instruction in proper vocal placement and singing technique for theatre majors pursing musical theatre track. May be repeated twice. Note: Students taking voice for the first time must have a placement interview with theatre department.

THEA 220 Introduction to Theatre  
(3-0-3), fall. Considers the nature of drama, history of theatre development, acting and directing, and stage production. May be used to satisfy University Requirements.

THEA 221 Beginning Jazz  
(0-3-1), fall, odd years. A practical class for developing the performer's technique in jazz choreography for musical theatre. Fulfills a PEAC activity credit. For theatre majors only.

THEA 222 Beginning Ballet  
(0-3-1), spring, even years. A practical class for developing the performer's technique in ballet for musical theatre. Fulfills a PEAC activity credit. For theatre majors only.

THEA 223 Beginning Tap  
(0-3-1), spring. A practical class for developing the performer's technique in tap dancing for musical theatre. Fulfills a PEAC activity credit. For theatre majors only.

THEA 224 Beginning Modern  
(0-3-1), spring, even years. A practical class for developing the performer's technique in modern dancing for musical theatre. Fulfills a PEAC activity credit. For theatre majors only.

THEA 226 Acting I  
(3-0-3), fall, spring. Training in acting choices, stage technique, and creating a character. Involves scene work and character analysis. Fall course for theatre majors in performance tracks includes laboratory (graded and credited with course). Theatre majors in non-performance tracks may enroll only by permission of instructor. Spring offering does not include laboratory and is open to all students.

THEA 227 Introduction to Technical Theatre  
(3-0-3), fall. Analyzes technical problems of production, including construction, scene design, and lighting. Class includes laboratory. Lab included and graded with course.

THEA 230 Voice and Diction for the Stage  
(3-0-3), spring. Methods to develop vocal resonance, projection, and articulation, and the natural connection of voice to action playing. Emphasis on special skills such as IPA transcription and dialect work. Prerequisite: THEA 226.

THEA 231 Movement for the Stage  
(3-0-3), fall. Theory and application of movement, combat techniques, the Alexander technique, the elements of a physical regimen in order to develop physical coordination, flexibility, strength, spontaneity, and awareness of the body in presentational space. Prerequisite: THEA 226. For theatre majors only.

THEA 235 Acting II  
(3-0-3), fall. An application of the six steps, the basic object exercise, and other acting tools developed by Uta Hagen, toward producing a scene/character study based on a modern American play. Prerequisite: THEA 226.

THEA 237 Acting III: Improvisation  
(3-0-3) spring. Improvisational training techniques explore the inner sources of spontaneous creation by exercising commitment and creative freedom in each moment of performance. Students will study improvisational technique and enact performance sessions designed to build spontaneous awareness. Prerequisite: THEA 226.

THEA 300 Theatre Management  
(3-0-3), fall, odd years. The purpose of this course is to familiarize students with the fundamentals of running a professional or educational theatrical program (administration and budgeting, grant-writing, season selection, box office, house management, and marketing) as well as the practical and theoretical aspects of stage management for theatrical productions. Prerequisites: THEA 220 and 227.

THEA 331 Rendering Media for Theatre Design  
(3-0-3), spring, odd years. This course provides a practical study of rendering techniques for various media and presentation formats used to create accessible visual presentations for theatrical design.

THEA 332 Costume Design  
(3-0-3), spring, even years. Costume designing from a production approach through design theory, figure drawing, and a study of fabric. Prerequisite: THEA 230.

THEA 350 Acting IV: Period Styles  
(3-0-3), fall, even years. An approach to performing in a range of historic works through reorganization of basic acting methods. Scenes and monologues will draw from Greek, Roman, restoration, and 19th century plays. Prerequisite: THEA 226. For theatre majors only.
THEA 353 Acting V: Acting V: Stanislavski/Method Acting (3-0-3), summer. An exploration and practical application of method acting using exercises from Stanislavski, Stella Adler, and Robert Lewis. Prerequisites: THEA 226 and 325. For theatre majors only.

THEA 360 Musical Theatre Performance Workshop (3-0-3), spring, even years. Provides advanced training in the performance of musical theatre. Students learn techniques for singing, dancing and acting within the framework of musical scenes in a workshop atmosphere. This course cannot be taken concurrently with THEA 460. Prerequisite: THEA 226. For theatre majors only.

THEA 411 Private Voice for Musical Theatre (0-1-1), fall, spring. Private weekly instruction in proper vocal placement and singing technique for theatre majors pursing musical theatre track. May be repeated eight times. Note: Students taking voice for the first time must have a placement interview with theatre department.

THEA 421 Advanced Jazz (0-0-1), spring, even years. Provides advanced training in jazz dance technique for the musical theatre. Emphasis on placement, fluidity, musicality, execution, and style as it applies to professional auditioning and performing. Fulfills a PEAC activity credit. Prerequisite: THEA 221 or permission of instructor. For theatre majors only.

THEA 422 Advanced Ballet (0-0-1), fall, even years. Provides advanced training in ballet dance technique for the musical theatre. Emphasis will be placed on alignment, placement, fluidity, execution of steps and style as it applies to professional auditioning and performing. Fulfills a PEAC activity credit. Prerequisite: THEA 221 or permission of instructor. For theatre majors only.

THEA 423 Advanced Tap (0-0-1), spring, odd years. Provides advanced training in tap dance technique for the musical theatre. Emphasis on rhythm, musicality, syncopation, execution, and style as it applies to professional auditioning and performing. Fulfills a PEAC activity credit. Prerequisites: THEA 221, 222, and 223 or permission of instructor. For theatre majors only.

THEA 424 Advanced Modern (0-0-1), spring, odd years. Provides advanced training in modern dance technique for the musical theatre. Emphasis on placement, fluidity, strength, emotional connection, execution, and style as it applies to professional auditioning and performing. Fulfills a PEAC activity credit. Prerequisites: THEA 221, 222, and 223 or permission of instructor. For theatre majors only.

THEA 425 Advanced Dance Auditioning (0-0-1), spring, odd years. Provides advanced training in dance auditioning technique for the musical theatre. Emphasis on memorization, style and performance as it applies to placement, fluidity, musicality, and execution relational to professional auditioning and performing. Prerequisites: THEA 221-224 or permission of instructor. For theatre majors only.

THEA 430 Advanced Costume Design (3-0-3), spring, even years, as needed. Continued study of the role of the costume designer, conceptualizing designs with a focus on style and theatrical genre, rendering media and technique, and the production of resume and portfolio. Prerequisite: THEA 332. For theatre majors only.

THEA 454 Beginning Directing (3-0-3), fall. Basic principles governing play structures, choice, and casting are discussed. Requires student-directed scenes with lab. Laboratory graded and credited with course. Prerequisites: THEA 226 and 227. For theatre majors only.

THEA 455 Acting VI: Shakespeare (3-0-3), spring. Advanced techniques in acting Shakespeare using soliloquies, monologues and duet scenes. Resources from Royal Shakespeare Company Master Classes. Prerequisites: THEA 226 and 325. For theatre majors only.

THEA 456 Acting VII: Auditioning (3-0-3), spring, odd years. To equip the Acting IV: Shakespeare student with necessary information for a professional career. Includes resumes, photos, cold readings, monologues, and information regarding Equity, URTA, and film. Prerequisites: THEA 226 and 325. For theatre majors only.

THEA 457 Playwriting (3-0-3), fall, odd years. A basic method of developing a play script with critiques and readings by actors. Includes workshop by professional playwright. Same as ENGL 324.

THEA 460 Musical Theatre Directing Workshop (3-0-3), spring, even years. Provides advanced training in the direction of musical theatre. With guidance from the instructors, students will direct peers in multiple workshop musical scenes, applying techniques of staging, analysis, and prompting with a musical theatre knowledge base. This course cannot be taken concurrently with THEA 360. Prerequisite: THEA 454. For theatre majors only.

THEA 461 Children's Theatre (3-0-3), fall, even years. An overview of children's theatre: understanding the literature, acting techniques, design concepts, and the production presentation.

THEA 463 Educational Theatre (3-0-3), spring, even years. Prepares students to teach high school theatre. Emphasizes classroom theatre activities and curriculum, mounting a production, and managing a theatre program. Prerequisites: Junior standing and 9 hours of theatre courses.

THEA 466 Scene Design (3-0-3), spring, odd years. The theory of scene design and its relation to the director, actor, and other elements of production. Prerequisite: THEA 227.

THEA 467 Theatre Lighting (3-0-3), spring, even years. A historical survey of lighting and its effect on designing, directing, and acting. Prerequisite: THEA 227.

THEA 469 Stage Makeup (3-0-3), spring. Practical application of all processes and types of stage makeup. Prerequisite: THEA 226. For theatre majors only.

THEA 470 Advanced Directing (3-0-3), spring, odd years. Principles of directing various styles and periods focusing on the ability of the director to bring a creative viewpoint to bear on the work. Requires student-directed scenes with lab. Laboratory is graded and credited with course. Prerequisite: THEA 454. For theatre majors only.

THEA 480 Arts and Culture: A Christian Aesthetic (3-0-3), spring. The arts from a Christian viewpoint as both practitioner and audience/patron, applying biblically based strategies to assess, enjoy, and participate in the forms of art prevalent in the culture while remaining faithful to the call of Christ. Same as BIBM 480. A capstone course.

THEA 490 History of Theatre (3-0-3), fall, odd years. Theatre history from ritual theory and Greek origins to modern theory and practice. Includes focus on cultural and political contexts for theatre events and progressive influences of writers, designers, directors, and performers. Prerequisite: THEA 220. A writing-intensive course.

UNIV - UNIVERSITY COURSES

College of Special Studies

UNIV 011 Learning Strategies (3-0-3),* fall, spring. An intensive, holistic, academic program which provides the cognitive, affective, and applicative skills useful for helping students experience academic success. Prerequisite: Placement by department chair or program director.

UNIV 012 Student Success Workshop (1-5-1), fall, spring. An intensive, individualized, academic workshop designed to accelerate the cognitive, affective, and applicative skills experienced in UNIV 011. Course may be repeated. Prerequisite: UNIV 011.

UNIV 245 Leadership Foundations (3-0-3), spring. An introduction to the field of leadership, with an emphasis on current leadership concepts and theories, self-assessment, and personal development within a Christian context.

UNIV 419 Research Readings (0-0-1), spring. Designed to introduce undergraduates in the McNair Scholars Program to general research principles and techniques used in their particular field of study. Students will be required to read a set of selected research readings, select and read various research readings related to their discipline,
identify a research topic, and begin to conceptualize a research project with the help of a faculty mentor. Prerequisite: Selected to be a McNair Scholars research intern.

UNIV 420 Basic Research Methods (1-1-1), summer. Introduces new McNair Scholars to basic research concepts and skills. The focus on preparing McNair Scholars to conduct a research project and to write a research paper, which are required as part of the program's summer research internship. Prerequisite: Selected to be a McNair Scholars research intern.

UNIV 421 Research Writing (1-1-1), summer. Introduces undergraduates in the McNair Scholars Program to the process of writing an extended research paper. Students will be given instruction on outlining, organizing, drafting and revising an extended research paper. A portion of each meeting will consist of lecture while the remainder of each meeting will be given to drafting and work shopping. Concurrent enrollment in UNIV 420 required.

CCCU - COUNCIL FOR CHRISTIAN COLLEGES & UNIVERSITIES
College of Special Studies
Abilene Christian University partners with the Council for Christian Colleges & Universities (CCCU) to offer ACU students the opportunity to participate in expanded offerings of study abroad experiences. ACU also participates with CCCU in selected discipline specific programs in the United States.

Course numbers and descriptions are listed under the CCCU program in which they are offered.

AMERICAN STUDIES PROGRAM (ASP)
CPOL 4A0 Topics in Leadership and Vocation (3). The course introduces concepts for Christian responsibility and involvement in public issues. By focusing on a public topic relevant to the internship, basic techniques for issue analysis and the narrative pattern of the Bible as an analytical framework will be taught.

CPOL 4A1 Topics in National Affairs (3). The course exposes students to the Washington leadership networks that are engaged in the complex dynamic of national public policy formation and decision-making. Coursework includes policy analysis, political studies, sociology, ethics, theology, and biblical studies.

CPOL 4A2 Topics in Leadership Management (3). The course studies the strategic responsibilities of business in shaping the compliance environment of policy regulation and enforcement. Coursework involves concepts important for business, leadership development, business administration, management economics ethics, theology, and biblical studies.

CPOL 4A3 Topics in International Affairs & Globalization (3). Through field research and face-to-face meetings with experts in Washington's international community, you are challenged to develop a biblical perspective, either on foreign affairs or on globalization.

CPOL 4A4 Internship (6). The internship links public-sector employment with classroom work. Students are placed in agencies and offices through the greater Washington metropolitan area.

CPOL 4A5 Mentorship Course (optional) (1). Students have the opportunity to meet with a professional mentor in their field four times during the semester.

AUSTRALIA STUDIES CENTRE (ASC)
CINT 4S0 View From Australia: Issues in Religion, Politics (3). The emphasis of this course is on historical and current local and world issues which affect Australia. Students should develop a basic understanding of the Australian culture and worldview. They will critique their own cultural value structures through Biblical reflection and begin to distinguish these cultural virtues from Christian truth relating to several themes presented in the course.

CHIS 4S0 Indigenous History, Cultures and Identity (3). The course will look at the concept of Country, spiritual belief systems, kinship and family relationships, totemic systems, foods and medicines, education systems, and spiritual beliefs including the Creation stories. Students will identify and challenge assumptions that underlie the beliefs, ideas, values and actions that are taken for granted by themselves (as learners).

CTHE 4S0 Faith and the Contemporary Artist I (Spring), II (Fall) (4). Course content invites investigation of the breadth of human experience through the lens of cultural studies. It explores the contribution of the arts to contemporary culture and enables students to reach for an integration of their faith and their art form in the context of cultural communication.

CXXX 4SX Discipline courses in dance, drama, music, drawing/graphic design, theology/ministry (5-7). Discipline selection and courses are subject to availability. Check with the Registrar's Office.

CHINA STUDIES PROGRAM (CSP)
CHIS 3C0 Chinese History (3). This course covers the history of China from its earliest beginnings to the present. Students become familiar with the major dynasties of China, their character and contributions, and their major figures.

CPOL 4C0 Contemporary Society: Public Policy and Economic Development (3). This course examines two key and inter-related aspects of modern China: government policy and economic reforms. Policy covers the structure of the Chinese government, social rights and the legal system, as well as issues such as ethnic minorities, family planning, and education. Economic Development covers the government policies from 1949 to the present, from the commune system to the current market-oriented reforms.

CINT 4C0 Intercultural Communication (3). This course covers issues intended to help students understand and adjust to Chinese culture. The focus will be on how students demonstrate their beliefs in their daily lives within the context of China. Topics include culture and basic values, culture shock, introductory linguistics, contextualization, and factors involved in successful cross-cultural interaction.

CFOR 1C0 Chinese I (2-3). This course focuses on acquiring survival fluency in spoken and written Mandarin Chinese, the national language of China. Chinese I classes will include explanations on aspects of learning the language such as Pinyin (the spelling system used on mainland China) and tones.

CFOR 1C1 Chinese II (3). Chinese II focuses on acquiring low-intermediate fluency in spoken and written Mandarin Chinese so that a student can handle situations such as travel planning, illness, making appointments, etc. This course will include how Chinese as a language differs from European languages (including English), Chinese dialects, etc. Chinese II students must translate a Chinese pop song.

CPHI 4C0 Eastern Philosophy and Religions (3). The course focuses on the teachings, history, and development of Confucianism, Taoism, Buddhism, and folk religion. It also introduces concepts embedded in Chinese culture such as Yin & Yang, "the Five Phases," etc.

CHUM 4C1 Dimensions of East Asian Culture (3). This course introduces students to visual, physical, medical and culinary arts. The majority of the course involves "hands-on" practice. Lectures will be presented about the history & symbolism of Chinese art, explanations and guidelines about Chinese cooking & cuisines, and unifying Chinese philosophy that underlies dimensions of Chinese culture.

CART 4C0 Chinese Painting (1). Students will learn to paint from a Chinese artist. They will practice the basics of Chinese water-based brushwork, painting traditional pictures of bamboo, flowers, etc.

CEXS 2C0 Tai Chi (1). The course emphasizes traditional Chinese forms of stylized self-defense, which tones the body and concentrates
the mind. Exercises may focus either on the gentler form of tai chi, or on the more vigorous wu shu, depending on the instructor.

**CBUS 4C0 International Business in China (3).** Lectures are presented by Christians who have done business in China for years. They cover issues such as fair and ethical business practices and factors involved in out-sourcing jobs to China. Students prepare a paper in which they describe and analyze the differences in the way that an American or international company markets its products or its franchise in China.

**CBUS 4C1 Business Internship (3).** Students are placed in jobs that provide meaningful work experience. Students engage in three-week internships, working full-time (40+ hrs/week) for either Western or Chinese companies. In the first part of the semester, all students in the China program will complete the history study tour around China.

**CONTEMPORARY MUSIC CENTER (CMC)**

**CMUS 4M0 Faith, Music and Culture (3).** This course will help students rethink what it means to be a Christian, a musician and a Christian musician. Six films are shown, each revealing an important but often neglected area of struggle within the life of an artist. Students are then challenged to re-examine their belief systems in God and themselves and reconcile their career ambitions with God’s purpose for their lives.

**CMUS 4M1 Inside the Music Industry (3).** This course provides an overview of the music industry, focusing on the six more important contracts negotiated by artists and executives; artist management, recording label, publishing, concert rider, licensing, and copyright. Emphasis is given to career possibilities and the gifts and skills required to succeed in each of the major areas.

**CMUS 4M2 Supervised Practicum (1).** Each student will participate in a road trip practicum. Briefings, tours, meetings and internships will be arranged with leading record companies, artist management firms, booking agencies, recording studios, concert promoters, writers, producers and artists.

**CMUS 4M3 Essentials of Song Writing (3).** Students are required to write a minimum of ten original songs during the semester. The first eight songs have carefully defined parameters which, while allowing students to write within their favorite genre, force them to write outside of their comfort zone. Emphasis is placed on the song as the vehicle for creativity and public communication.

**CMUS 4M4 Studio Recording (3).** This course introduces students to the concept of non-linear, non-destructive editing within the digital domain. Pro Tools TDM, 001 & Mbox are used by students to assemble and record a minimum of three finished master-quality recordings. All students will acquire enough experience to record, mix and master their own tracks for demo purposes.

**CMUS 4M5 Performance (3).** During the first three nights of the first full week, each student is required to perform two songs, solo. Pre-recorded tracks or other student players are allowed to assist those students who do not play an instrument. As each student defines their musical style and public persona, additional concert appearances are necessary to pitch an artist to a record company and negotiate a recording contract.

**CMUS 4M6 Artist Management (3).** Through lecture, text and online investigations, Executive Track students will gain a thorough-going understanding of the economic, creative and spiritual elements critical to a career in contemporary music. Students will learn to help Artist Track students develop a career plan and prepare the materials necessary to pitch an artist to a record company and negotiate a recording contract.

**CMUS 4M7 Artists and Repertoire (3).** Students will learn from executives how to spot talent; create a label business plan; analyze and forecast trends in popular music; assemble a successful artist roster; and, in tandem with artists, they will plan, budget and produce recording sessions.

**CMUS 4M8 Music, Marketing and Sales (3).** Through classroom instruction and presentations by visiting industry experts, Executive track students will become familiar with the role of packaging, retail point-of-purchase materials, publicity, advertising, as well as other areas of the industry. Students will develop comprehensive marketing plans for students in the Artist track.

**CMUS 4M9 Advanced Recording Techniques (3).** Pro Tools is widely accepted as the most popular digital recording environment in the world combining the most advanced software and hardware solutions for music production. Students who successfully complete this course will have the skill sets necessary to record, mix and produce master quality recordings using this and other software/hardware platforms.

**CMUS 4M10 Live Sound Reinforcement (3).** This course is designed to train students for entry-level positions as a live sound engineer/front-of-house or monitor engineer. Each engineer must be able to complete line and sound checks quickly and reliably, troubleshoot problems and understand console and system signal flow.

**CMUS 4M11 Lighting (3).** Students will train and be prepared for entry-level positions in live concert lighting. They will manage power distribution, DMX control of lighting fixtures and ultimately the properties of light and dispersion that artfully blend to create alternate forms of reality.
entrepreneurship in economic development and the global economy will be examined. Similarities and differences in Indian business practices compared with Western/US practices will be analyzed.

CXXX 4I? Field Experience & Internship (3). Students may complete an individually designed 90-hour supervised field based internship or practicum. The learning contract will include learning outcomes, specific on site responsibilities and supervisor feedback.

LATIN AMERICAN STUDIES PROGRAM (LASP)

CFORE 2L0/3L0 Spanish Language Study (6). Students attend the Spanish Language Institute for an intensive period of four weeks. Monday through Friday, four hours per day. The language is taught as a second language. The course materials are utilized within a native language immersion context, and practiced through exercises in the classroom via workbook assignments, and after class assignments in the city of San José. Pre and post tests will be given to ensure proper placement.

CFOR 4L0 Perspective on Latin American History and Contemporary Issues (3). This seminar introduces social, historical, political, economic, and religious currents that constitute Latin American society. Students are introduced to historical development of Latin America; a variety of analytical perspectives; the character, past and present, of U.S. policy, as well as the economic reality in the region.

CFOR 4L0 Responses to Third World Reality Seminar (3). Students are challenged in a seminar that includes diverse perspectives, broad readings and hands-on experience in a practicum setting. Participants will re-examine their worldviews and articulate faith-informed positions on several issues concerning relationships of North Americans serving in Latin America.

CFOR 4L0 Practicum/Internship/Case Study (3). The internship/practicum/case study is integrated with the non-core course associated with each concentration.

CFOR 4L1 Travel Practicum (1-3). Travel opportunities are available (some required) through other Central American nations to discover the rich diversity of cultures and peoples in the region.

CFOR 4L2 Language and Literature Seminar (3). Students will examine how Latin Americans view their neighbors to the north and around the world through conversations, conferences and related literature. Latin American society and culture will be studied through its literature, interaction with prominent literary figures, and through local theatrical and film productions. The seminar is taught exclusively in Spanish, including written assignments.

CBUS 4L0 Business Seminar (3). Within the historical, political, social, religious and economic context and realities of Latin America, the course addresses the role of the Christian business person. In this role students examine how to make effective and ethical business decisions as they relate to issues of social justice.

CBIO 4L0 Environmental Science Seminar (4). Students explore the natural sciences in a tropical setting and study their influence on the process of sustainability. Students will participate in research projects, examine sustainable development and management of Costa Rica's protected natural areas, investigate the ecology of tropical biomes, including highland cloud forest, mangrove forest, coral reefs, lowland rain forests and dry forests.

CBIOL 4L1 Field Research (2). Research coincides with the participants' interest and focus in the Seminar.

LOS ANGELES FILM STUDIES (LAFLS)

CTHE 4F0 Hollywood Production Workshop (4). Students make a motion picture using Hollywood locations, resources, and protocol. Students participate in a competitive vetting process of scripts, pitches, and meetings. Small group tutorials are offered for each student's production position. Note: $250 lab fee required.

CJMC 4F0 Theology in Hollywood (3). This course provides students with basic theological underpinnings for their lives as entertainment artists or consumers. Discussions, screenings and readings will seek to place the student's work in the context of the Christian's call to serve and spread the Gospel.

CUNI 4F0 Internship: Inside Hollywood (5-6) CJMC 4F1 (1). The internship is a nonpaying position primarily in an office setting such as development companies, agencies, producer's offices, etc. Students work 20-24 hours a week throughout the length of the semester.

CTHE 4F1 Motion Picture Production (3). An intense, hands-on course in short film production. The course is designed to enable both students to develop their integration of story with technical skill.

CTHE 4F2 Professional Screenwriting (3). A course in contemporary screenwriting, including an understanding of dramatic structure, character and dialogue development, and the writing process. Students complete a full-length screenplay for a feature film.

CTHE 4F3 Independent Study (3). Course may be set up by special request. Students must submit a portfolio and project proposal. Note: This option is not guaranteed and is limited to students with experience who may need to complete a senior project for graduation.

MIDDLE EAST STUDIES PROGRAM (MESP)

CFORE 1E0 Introduction to Arabic Language (4). Taught by Egyptian instructors affiliated with the American University in Cairo, this course aims to help students acquire basic skills in Egyptian Arabic, a dialect widely understood in the Arab world. The course should bring students to the intermediate level of Egyptian colloquial Arabic.

CHIS 3E0 Islamic Thought and Practice (4). This course examines many dimensions of Islamic faith from early times to the present. While emphasis is on the early period and its influence on later events and people, it also attempts to relate these early developments to contemporary issues in the Middle East. Students are encouraged to examine both commonalities with and differences between themselves and their Muslim counterparts.

CHIS 4E0 Conflict and Change in the Middle East (4). The course examines the Israeli-Palestinian conflict, or what many scholars now call "the 100 years war." Beginning with the collapse of the Ottoman Empire, the course traces the origin of the conflict from early encounters between Arab and Jew in Palestine to the contemporary struggle to achieve a final status agreement between Israelis and Palestinians today.

CANT 4E0 Peoples and Cultures of the Middle East (4). This course examines the variety of peoples and cultures in societies such as Jordan, Syria, Lebanon, Israel/Palestine, and Turkey. The course seeks to introduce students to patterns of thought and behavior that characterize the region generally without losing sight of important differences across countries.

OXFORD SCHOLARS’ SEMESTER (SSO)

CENG 4O1 Tutorials (9). The tutorial is the heart of undergraduate teaching at Oxford. It is an hour long conversation between a tutor who is engaged in research and one student who has spent the week reading and writing an essay in answer to an assigned, searching question. The tutorial gives students the chance to read in depth, to formulate their views on a subject, and to consider those views in the light of the detailed, analytical conversation in the tutorial. Students may choose tutorials within the disciplines of classics, English language and literature, history, philosophy, and theology.

CENG 4O2 Integrative Seminar (4). Students must attend two University of Oxford lecture courses (normally eight weeks). These are in addition to lecture courses attended in conjunction with tutorials. Students should choose a methodological lecture in preference to a purely empirical one, depending on availability.
CENG 403 British Landscape (4). Students study how the British landscape was formed and reformed by societies which successively conquered and settled in it, looking at the dialectic relationship between culture (the economic, social, intellectual, religious, and artistic aspects of each group) and landscape (the natural landscape and the human imprint on that landscape).

OXFORD SUMMER PROGRAM (OSP)

CENG 404 The Christian Tradition in the British Isles (3). The course explores key moments in the development of Christianity in the British Isles, from the Celtic peoples of Britain under the Roman Empire, to the Anglo-Saxons, the medieval Church, and the emergence of a variety of traditions in the reformation and beyond.

CENG 405 Topical Seminars and Tutorials (3). Students participate in two different seminars which take place during the first two weeks of the program and in a set number of individual tutorials during the second two weeks of the program.

UGANDA STUDIES PROGRAM (USP)

CBIB 4U0 Faith and Action in the Ugandan Context (4). This course combines a traditional classroom component with experiential learning. It explores how exposure to Ugandan Christianity challenges our own faith. Interspersed throughout is a survey of contemporary political, social, economic and religious issues confronting African peoples and countries.

CBIB 4U1 Cross Cultural Immersion/Missions Practicum (3). Issues and questions explored through readings and experience will include: defining missions, biblical foundations of missions, theology of missions, missions in Uganda, the role of the church, and contextual missions today. The course will ground students in basic aspects of missions’ theory and practice and expose them to related issues and questions.

CENG 4U0 African Literature (3). The course offers a survey of the literature of sub-Saharan Africa. Students will be introduced to the distinctive features of East, West, and Southern Africa as well as to the genres of oral literature, fiction, poetry, and drama. Works will be examined on their own merit in regard to theme and style, insights into African society, and the concepts of negritude and black aesthetics.

CHIS 4U0 East African History From 1800 to Independence (3). This course will familiarize students with the history of Uganda, Kenya, Tanzania and Rwanda from 1800 to independence. From the pre-colonial era, the course will focus on colonialism and its effects on East African culture and indigenous social institutions. The course provides a review of East African reaction to colonial policies and a survey of cultural and social changes experienced in East Africa during the colonial period up to the time of decolonialisation.

CBIB 4U2 African Traditional Religions, Christianity and Islam in Contemporary Uganda (3). Religion dominates the social, political and economic lives of Africans. Three religions have had a strong influence in Uganda: ATR, Christianity and Islam. This course will survey religions in Uganda, emphasizing ATR and Islam. The study of ATR will be phenomenological in its view, looking at the scheme of ideas that help us appreciate the nature of African religions. The study of Islam will emphasize a basic understanding and appreciation of the life of Prophet Muhammad, its formative influence on Islam as a religion, and its attendant cultural influence in Uganda. In this course, we will also examine the influence of Christianity in Uganda. A very important aspect of our study will be the historical interaction between the three religions—ATR, Islam and Christianity.

CBIB 4U3 Uganda Studies Emphasis Practicum (3). Students will have opportunities to practice and integrate theory and practice in a cross-cultural setting as they complete a minimum of 150 hours of practice at an approved service location in Uganda. Each student will be on-site 2 days per week under the supervision of their field instructor and the Uganda Studies Program (USP) staff supervisor. In addition students will participate in a Seminar class one hour per week for reflection, with feedback from staff and peers.

CSOW 4U0 Social Work Practicum (3). Same as Uganda Studies Practicum.

CXXX 4UX Additional elective courses are scheduled, but not guaranteed (3). Discipline selection and courses are subject to availability. Check with the Registrar’s Office.
Personnel

BOARD OF TRUSTEES
Chair: Barry D. Packer, Dallas
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- David A. Flow, Brentwood, TN
- Dr. Jack Griggs, Abilene
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- Jeff D. Knight, Bentonville, AK
- Dr. Edward “Wayne” Massey, Durham, NC
- Charles Onstead, Sugar Land
- Randy Owen, Castle Rock, CO
- Carole Phillips, Colleyville
- Jim Porter, Abilene
- Alan E. Rich, Boerne
- Dr. Eddie Sharp, Austin
- Marelyn Shedd, Abilene
- Kay Skelton, Denison
- Gary Skidmore, Austin
- Judge Steven L. “Steve” Smith, College Station
- Rick L. Wessel, Westlake

ADMINISTRATORS
The first date indicates initial employment at ACU.

SENIOR LEADERSHIP TEAM


Holley, Steven, 2013, Vice President and Chief Financial Officer; BS, 1990; MS, 1991.

McCaleb, Gary, 1963, Vice President of the University; BA, 1964; MBA, 1974; PhD, 1979.

Orr, Jim, 2014, Vice President for Advancement,


STRATEGIC REVIEW TEAM


Cukrowski, Kenneth, 1999, Dean of the College of Biblical Studies, Associate Professor of New Testament and Graduate School of Theology; BA, 1984; MA, 1985; MDiv, 1987; STM, 1988; PhD, 1994.


Hammack, Becky, 2012, Dean of the School of Nursing and Associate Professor of Nursing, BS, 1985; MS, 1995; EdD, 2003.

Holley, Steven, 2013, Vice President and Chief Financial Officer; BS, 1990; MS, 1991.

Lewis, Susan, 1998, Vice Provost and Associate Professor of Journalism and Mass Communication; BS, ACU, 1992; MA, ACU, 1997; EdD, Pepperdine University, 2006.

Lytle, Richard S., 1991, Dean of the College of Business Administration and Professor of Marketing; BBA, 1980; MBA, 1983; PhD, 1994.

Johnson, Stephen, 2001, Vice President for Academic Affairs ACU-Dallas and Associate Professor of Ministry, Graduate School of Theology; BA, 1990; MS, 1994; MDiv, 1996; DMin, 2000; PhD, 2007.

McCaleb, Gary, 1963, Vice President of the University; BA, 1964; MBA, 1974; PhD, 1979.

Reed, Carson, 2012, Vice President, Church Relations; Executive Director, Siburt Institute for Church Ministry; Assistant Professor of Practical Theology, BA, 1980; MDiv, 1995; DMin, 1995.


Snider, Donnie, 2003, Dean of the College of Education and Human Services and Associate Professor of Education; BS, 1974; MEd, 1978; EdD, 1997.

Straughn, Gregory, 2000, Dean of the College of Arts and Sciences; BA, 1994; MM, 1997; PhD, 2004.

Sullivan, Slade, 2000, General Counsel and Secretary to the Board of Trustees; BA, 1995; MA, 1997; JD, 2000.


OTHER ADMINISTRATORS


Academic Affairs

Cukrowski, Kenneth, 1999, Dean of the College of Biblical Studies and Associate Professor of New Testament, Graduate School of Theology; BA, 1984; MA, 1985; MDiv, 1987; STM, 1988; PhD, 1994.

Gumm, Eric, 1997, Registrar and Director of First Year Program and Academic Development; Interim Director of General Education; BA, 1994; MS, 1997; EdD, 2006.

Hammack, Becky, 2012, Dean of the School of Nursing and Associate Professor of Nursing, BS, 1985; MS, 1995; EdD, 2003.

Johnson, Stephen, 2001, Vice President for Academic Affairs ACU-Dallas and Associate Professor of Ministry, Graduate School of Theology, BA, 1990; MS, 1994; MDiv, 1996; DMin, 2000; PhD, 2007.

Lytle, Richard S., 1991, Dean of the College of Business Administration and Professor of Marketing; BBA, 1980; MBA, 1983; PhD, 1994.

Miholland, Tom, 1979, Assistant Provost for Institutional Effectiveness, Director of Institutional Research and Assessment, SACS Liaison and Professor of Marriage and Family Studies; BS, 1966; MS, 1972; PhD, 1979.

Morris, Jason, 1996, Dean of the Honors College and Associate Professor of Education; BA, Pepperdine University, 1994; MS, ACU, 1996; EdD, Texas Tech University, 2002.

Snider, Donnie, 2003, Dean of the College of Education and Human Services, Interim Dean of the Graduate School and Professor of Education; BS, 1974; MEd, 1978; EdD, 1997.

Weaver, John B., 2011, Dean of the College of Arts and Sciences and Associate Professor of Music; BA, 1994; MM, 1997; PhD, 2004.

Strauhn, Gregory, 2000, Dean of the College of Arts and Sciences and Associate Professor of Music; BA, 1994; MM, 1997; PhD, 2004.

Office of General Counsel

Sullivan, Slade, 2000, Vice President and General Counsel; BA, 1995; MA, 1997; JD, 2000.

Student Life


Ellison, Jimmy, 2001, Chief of Police and Director of Public Safety; Lamar University Police Academy, 1984.

Lewis, Mark, 1995, Associate Dean of Students; BBS, 1988; MMFT, 1995.


Rowlands, Steve, 1997, Director of the Medical Care and Counseling Center; BA, 1992; MMFT, 1994.


Swedlund, Joel, 1993, Executive Director for the Student and Recreation Wellness Center; BS, 2002.

Advancement


Athletics


Barnier, Keith, 2013, Head Track and Field Coach, Men’s and Women’s; BS, 1987; MA, 1990.


Boone, Grant, 2014, Dir. Of Broadcast and Sales; BA, 1991


Driskill, Cory, 2008, Senior Associate AD for Athletics; BS, 2003; MS, 2005.


TEACHING FACULTY

The first date is the year of appointment to the faculty, followed by rank and department.

Allison, Stephen H., 1984, Professor, Robert and Mary Ann Hall Endowed Chair of Psychology and Intercultural Studies; BS, ACU, 1976; MA, Fuller Theological Seminary, 1978; MS, Fuller Graduate School of Psychology, 1980; PhD, Fuller Theological Seminary, 1982.

Aquino, Frederick D., 1998, Professor of Theology, Graduate School of Theology; BA, ACU, 1989; MDiv, ACU, 1993; MA, ACU, 1994; PhD, Southern Methodist University, 2000.

Archer, Carolina, 2014, Instructor of Language and Literature; BAS, ACU, 2008; MA, New Mexico State University, 2013.

Arrington, Jeff E., 1989, Associate Professor of Engineering and Physics, Director of Engineering, Associate Dean of the College of Arts and Sciences; BS, ACU, 1982; MEEE, University of Utah, 1984; EE, University of Utah, 1986; PhD, University of Utah, 1989.

Ashlock, Rodney, 1998, Assistant Professor and Chair of Bible, Missions and Ministry; BA, Harding University, 1987; MDiv, ACU, 1991; PhD, Baylor University, 2002.

Atkinson, Melissa D., 2000, Assistant Professor of Library Science and E-Collections and Web Services Librarian; BS, ACU, 1994; MLS, University of North Texas, 2000.

Austin, Lynette, 2008, Associate Professor of Communication Sciences and Disorders; BS, ACU, 1985; MA, ACU, 1987; PhD, University of Houston, 2007.


Baggs, Terry, 2007, Associate Professor and Chair of Communication Sciences and Disorders; BA, Freed-Hardeman University, 1977; MS, University of Arkansas for Medical Sciences, 1981; PhD, University of Memphis, 1992.

Bailey, Garry, 2007, Associate Professor of Conflict Resolution and Academic Director of Duncum Center for Conflict Resolution; BBA, ACU, 1985; MA, ACU, 1987; PhD, University of Oklahoma, 1994.

Baker, Laura, 1995, Associate Professor of Library Science; BBA, ACU, 1987; MLS, University of Texas, 1993.

Baldrige, Stephen, 2009, Assistant Professor of Social Work; BSSW, Lubbock Christian University, 2001; MSSW, University of North Texas at Arlington, 1996; PhD, University of Texas at Arlington, 2010.

Bane, Annie, 2015, Instructor of Kinesiology and Nutrition; BS, ACU, 2007; MS, Baylor University, 2010.
Barbarick, Clifford, 2011, Assistant Professor of Bible, Missions and Ministry; BA, Pepperdine University, 2001; MDIV, Pepperdine University, 2005; PhD, Baylor University, 2011.

Barnett, Denise, 1991, Assistant Professor of Communication Sciences and Disorders; BS, ACU, 1980; MA, ACU, 1982; PhD, Texas Tech Univ. Health Science Center, 2010.

Beck, Richard, 1998, Professor and Chair of Psychology; BS, ACU, 1989; MS, ACU, 1994; PhD, Southern Methodist University, 1997.

Bell, Joe D., 1985, Associate Professor; BSEd, ACU, 1977; MS, University of North Texas, 1983; PhD, Texas A&M University, 1997.

Bender, Brenda, 2001, Associate Professor of Communication Sciences and Disorders; BSEd, ACU, 1990; MS, University of North Texas, 1994; PhD, University of Memphis, 2001.

Bennett, B. Cole, 2000, Professor and Chair of Language and Literature and Director of the University Writing Center; BBA, Harding University, 1989; MA, University of Arkansas, 1996; PhD, University of Southern Mississippi, 2002.

Berryhill, Carisse Mickey, 2004, Professor of Library Science; BA, Harding College, 1973; MA, Harding University, 2001; MS, University of North Texas, 1990; PhD, Florida State University of Tallahassee, 1982.

Bertram, Dale E., 2012, Professor and Chair of Marriage and Family Studies; BA, Eastern New Mexico University, 1981; MA, Eastern New Mexico University, 1983; MEd, Albertson College of Idaho, 1991; PhD, Nova-Southeastern University, 1995.

Bjorem, Pauline Kung, 2005, Associate Professor of Music; BM, ACU, 1993; MM, Hardin-Simmons University, 1996; DMA, University of Oregon, 2005.

Boles, Leslie, 2015, Visiting Instructor of Nursing; BS, ACU, 1999; MS, Hardin-Simmons University, 2014.

Bolin, Phyllis, 2005, Associate Professor of Mathematics and Director of Quality Enhancement Program; BSEd, ACU, 1970; MAT, University of Texas at Dallas, 1991; PhD, University of Oklahoma, 2003.

Brannan, Daniel K., 1988, Professor of Biology; BS, University of New Mexico, 1975; MS, Ohio State University, 1977; PhD, University of New Mexico, 1981.

Brister, Jozell, 1979, Associate Professor of Management Sciences; BSEd, ACU, 1961; MEd, ACU, 1965; MS, University of North Texas, 1973.


Brokaw, Bryan E., 1975, Bray Cook Professor and Chair of Agricultural and Environmental Sciences; BS, ACU, 1971; PhD, Oregon State University, 1975.

Brokaw, Joshua M., 2009, Associate Professor of Biology; BS, ACU, 2001; MS, Oklahoma State University, 2004; PhD, Washington State University, 2009.

Brooks, D. Greg, 2014, Assistant Professor of Marriage and Family Studies; BA, Harding University, 1997; MS, Harding University, 2000; PhD, University of Missouri, 2014.


Broxson, Anita C., 2013, Assistant Professor of Nursing; BA, Southeastern Louisiana University, 1972; BS, Texas Woman’s University, 1991; MSN, University of Texas, 2001; PhD, Texas Woman’s University, 2010.

Bryce, Brady D., 2007, Assistant Professor of Ministry, Director of Contextual Education, Graduate School of Theology; BA, ACU, 1995; MS, ACU, 1999; MDIV, ACU, 1999; DMin, Fuller Theological Seminary, 2008.

Burton, Brian, 2007, Assistant Professor of Information Technology; BS, ACU, 1992; MS, Southwest Missouri State University, 1999; EdD, University of Missouri, 2008.

Burton, Orneita, 2006, Associate Professor of Management Sciences and Information Systems; BS, University of Arkansas, 1979; MS, American Technological University, 1986; PhD, Arizona State University, 2006.

Byrd, Robert R., 2009, Associate Professor of Information Technology; BS, Harding University, 1981; MS, Creighton University, 1992; EdD, University of Louisville, 2002.

Camp, Jonathan W., 2007, Associate Professor of Communication; BA, Harding University, 1995; MDiv, Harding University Graduate School of Religion, 1999; DMin, ACU, 2007; PhD, The University of Memphis, 2008.

Candler, Catherine, 2015, Professor of Occupational Therapy; BS, University of Kansas, 1979; MA, Texas Woman’s University, 1991; PhD, Texas Woman’s University, 2000.

Cardot, Joseph James, III, 1980, Professor and Chair of Communication and Sociology; BA, Harding University, 1976; MA, Western Kentucky University, 1980; EdD, Texas Tech University, 1990.

Carroll, Laura Bolin, 2001, Associate Professor of Language and Literature; BA, ACU, 1996; MA, Marquette University, 1998; PhD, Texas A&M University, 2002.

Carroll, William M., 2001, Associate Professor of Language and Literature; BA, Lipscomb University, 1993; MA, ACU, 1995; PhD, Marquette University, 2005.

Casada, John H., 2008, Associate Professor of Psychology and University Psychiatrist; BS, ACU, 1984; MS, ACU, 1985; PhD, University of Texas Health Sciences Center – Houston, 1992; MD, University of Texas Health Sciences Center – Houston, 1992.

Cavitt, Dennis, 2008, Instructor of Teacher Education; BA, Pepperdine University, 1980; MS, ACU, 1987; MEd, Tarleton State University, 2000.

Cha, Kilnam, 2011, Assistant Professor, Department of Bible, Missions and Ministry; BA, Columbia Christian College, 1991; MDIV, ACU, 1995; PhD, Baylor University, 2006.

Childers, Jeff, 1996, Professor of Church History, Department of Bible, Missions and Ministry, and Carmichael-Walling Chair for New Testament and Early Christianity, Graduate School of Theology; BA, ACU, 1989; MA, ACU, 1992; MDiv, ACU, 1992; MST, Oxford University, 1993; DPhil, Oxford University, 1996.


Clements, Curtis E., 2005, Associate Professor of Accounting and Finance; BS, Harding University, 1985; MS, Harding University, 1986; PhD, Texas A&M University, 1999.

Coates, Neal E., 1999, Professor and Chair of Political Science; BA, ACU, 1987; JD, University of Kansas, 1990; MA, University of Connecticut, 1998; PhD, University of Connecticut, 2004.

Coco, Malcolm P., 1990, Professor of Management Sciences; BS, University of Southwestern Louisiana, 1968; MS, Central Michigan University, 1979; DPA, Nova Southeastern University, 1993.

Cook, Samuel L., 2000, Associate Professor of Music; BM, Johns Hopkins University, 1979; MM, Indiana University School of Music, 1982.

Cope, Joe L., 1989, Associate Professor of Conflict Resolution and Executive Director of Duncum Center for Conflict Resolution; BA, Texas Tech University, 1977; JD, Texas Tech University School of Law, 1986.
Cooke, James Clinton, 1982, Professor of Agricultural and Environmental Sciences; BSEd, ACU, 1973; MS, University of North Texas, 1978; PhD, University of North Texas, 1994.


Crisp, Brad, 2006, Associate Professor of Information Systems and Director of the School of Information Technology and Computing; BBA, ACU, 1993; MBA, University of Texas, 1998; PhD, University of Texas, 2003.

Cukrowski, Kenneth, 1999, Associate Professor of New Testament, Graduate School of Theology and Dean of the College of Biblical Studies, BA, ACU, 1984; MA, ACU, 1985; MDiv, Yaley Divinity School, 1987; STM, Yale Divinity School, 1988; PhD, Yale University, 1994.


Daughterly, Michael, 2009, Associate Professor of Physics; BS, ACU 2002; BS, ACU, 2002; PhD, University of Texas, 2008.

Davis, Kristina, 2005, Assistant Professor of Communication; BS, ACU, 1999; MA, ACU, 2001, PhD, Texas A&M University, 2009.

Davis, Suanna, 2011, Assistant Professor of Language and Literature; BSED, ACU, 1984; MA, ACU, 1987; PhD, Purdue University, 2000.

Delony, Mikee, 2006, Associate Professor of Language and Literature; BA, University of Houston, 1996; MA, University of Houston, 2000; PhD, University of Houston, 2007.

Dickson, Kyle, 1999, Professor of Language and Literature and Director of the Learning Studio; BA, ACU, 1993; MA, Baylor University, 1996; PhD, Baylor University, 2002.

Dillman, David L., 1995, Assistant Professor of Conflict Resolution; BS, ACU, 1970; MA, University of Houston, 1974; PhD, University of Massachusetts, 1982.


Dodd, Matthew J., 2008, Assistant Professor of Conflict Resolution; BS, ACU, 1998; MA, ACU, 2001; MMFT, ACU, 2001; PhD, Texas Woman’s University, 2008.

Douthit, Julie, 2006, Instructor of Teacher Education; BSEd, University of North Texas, 1991; MEd, University of North Texas, 1991.


Ehrke, John, 2007, Associate Professor of Mathematics; BS, ACU, 2003; MS, Baylor University, 2005; PhD, Baylor University, 2007.

Elliot, Kelly, 2010, Assistant Professor of History; BA, Harding, 2005; MA, Florida State University, 2007; PhD, Florida State University, 2007.

Elliot, Jeremy, 2010, Assistant Professor of Language and Literature; BA, Harding, 2005; MA, Florida State University, 2007; PhD, Florida State University, 2012.

Evans, Carol, 2003, Instructor of Language and Literature; BS, Lubbock Christian University, 1984; MA, ACU, 1991.


Flanagan, Cherisse Y., 2007, Assistant Professor of Psychology; BA, Texas Tech University, 1988; MS, ACU, 1996, PhD, Fielding Graduate University, 2013.

Flanders, Christopher, 2005, Associate Professor of Missions, Graduate School of Theology; Director of Halbert Institute for Missions; BA, ACU, 1989; MS, ACU, 1991; MDiv, ACU, 1994; PhD, Fuller Theological Seminary, 2005.

Foster, Douglas Allen, 1991, Professor of Church History, Graduate School of Theology; Director of Center for Restoration Studies; BA, David Lipscomb University, 1974; MA, Scarritt College, 1980; PhD, Vanderbilt University, 1987.

Fowler, William E., 1991, Associate Professor of Accounting and Finance; BBA, Harding University, 1975; MS, Walsh College, 1983.

Freeman, Sandy, 2005, Associate Professor of Theatre; BA, Hardin-Simmons University, 1971; MFA, University of Oklahoma, 1975.

Garver, Matthew, 2012, Assistant Professor of Kinesiology; BS, Lee University, 2003; MS, Central Washington University, 2006; PhD, The Ohio State University, 2011.


Gibson, Kelli Bryant, 2015, Assistant Professor of Historical Theology, Graduate School of Theology; BA, ACU, 2004, MDiv, ACU, 2007, MPhil, University of Oxford, in progress.

Goff, Jaime, 2004, Associate Professor of Marriage and Family Studies; BA and BS, Ohio Valley College, 1995; MMFT, ACU, 2001; PhD, Michigan State University, 2004.

Goldsmith, Lloyd M., 2001, Professor of Education; BS, Texas A&M University, 1972; MS, Corpus Christi University, 1974; MS, Texas A&M University, Corpus Christi, 1985; EdD, Baylor University, 1990.


Green, Robert, 1985, Professor of Art and Design; BFA, ACU, 1979; MFA, University of Nebraska, 1983.

Hailey, Mel, 1979, Professor of Political Science; BA, ACU, 1970; MA, Texas Tech University, 1973; PhD, Texas Tech University, 1988.

Haley, Albert, 1997, Professor of Language and Literature, Writer-in-Residence; BA, Yale University, 1976; MFA, University of Houston, 1993.


Hamilton, Mark W., 2000, Professor of Old Testament; Graduate School of Theology; BA, Freed-Hardeman University, 1986; MDiv, ACU, 1990; MA, ACU, 1991; PhD, Harvard University, 2000.

Hamm, Stephanie, 2008, Assistant Professor of Social Work; BSW, ACU, 1990; MSW, West Virginia University, 1993; PhD, University of Texas-Arlington, 2008.

Hammack, Becky S., 2012, Associate Professor of Nursing and Dean of the School of Nursing; BSN, Angelo State University, 1985; MSN, ACU, 1995; EdD, Baylor University, 2003.

Hardegree, Eric, 1985, Professor of Chemistry; BS, ACU, 1980; MS, ACU, 1982; PhD, University of Texas, 1985.

Hardin, Kim, 2015, Instructor of Teacher Education; BS, ACU, 2005; Med, Lubbock Christian University, 2005; PhD, Baylor University, 2016.

Harris, Randall, 1999, Instructor of Bible, Missions and Ministry; BA, Harding University, 1979; MA and MTh, Harding University Graduate School of Religion, 1983; MPhil, Syracuse University, 1987.

Hart, Kerri, 1995, Assistant Professor of Kinesiology and Nutrition and Director of Fitness and Training Programs; BS, ACU, 1986; MEd, ACU, 1996, PhD, University of New Mexico, 2005.

Hatfield, Kari, 2008, Associate Professor of Theatre; BA, Oklahoma Christian University, 2000; MFA, Virginia Commonwealth University, 2005.
Head, Tim, 2007, Associate Professor of Physics; BS, Texas Tech University, 2000; MS, University of Illinois, 2002; PhD, University of Illinois, 2007.

Helfin, Houston, 2009, Associate Professor of Bible, Missions, and Ministry; BS, ACU, 1995; MS, ACU, 1997; EdD, Southern Baptist Theological Seminary, 2004.

Hendrick, Karen, 1986, Assistant Professor of Library Science; BA, ACU, 1965; MLS, Texas Woman’s University, 1966.

Hendricks, David, 1995, Associate Professor and Chair of Mathematics; BS, ACU, 1987; MS, Texas A&M University, 1988; PhD, Texas A&M University, 1994.

Hernández, Patricia, 1989, Professor of Biology; BS, Texas A&I at Corpus Christi, 1975; MS, Corpus Christi State University, 1978; PhD, Texas Woman’s University, 1989.

Hester, Adam, 1981, Professor and Assistant Chair of Theatre; BA, ACU, 1977; MFA, Trinity University, 1982.


Hewitt, J Darby, 2013, Assistant Professor of Engineering; BS, ACU, 2008; MS, University of Illinois at Urbana-Champaign, 2010, PhD, University of Illinois at Urbana-Champaign, 2013.


Homer, John, 2009, Associate Professor of Computer Science; BS, Harding University, 2002; MS, Kansas State University, 2006; PhD, Kansas State University, 2009.


Houghtalen, Brandon, 2014, Assistant Professor of Music; BM, University of Tennessee Knoxville, 2002; MM, University of Colorado, 2009; DMA, Arizona State University, 2012.

Houghtalen, Lori, 2015, Assistant Professor of Engineering and Physics; BS, University of Tennessee, 2002; MS, Georgia Institute of Technology, 2004; PhD, Georgia Institute of Technology, 2007.

Huddleston, Andrew, 2012, Assistant Professor of Teacher Education; BA, ACU, 2000, MEd, Texas Tech University, 2002, PhD, University of Georgia, 2012.

Huddleston, Jennifer, 2011, Assistant Professor of Biology; BS, Hardin-Simmons University, 2000; MS, Texas Tech University, 2003; PhD, Texas Tech University, 2008.

Hunter, Rebecca, 2009, Assistant Professor of Biology; BS, ACU, 2001; MS, Texas A&M University, 2004; PhD, Auburn University, 2009.

Hutson, Christopher R., 2010, Associate Professor of Bible, Missions and Ministry; Associate Dean for Academics, College of Biblical Studies; BA, Lipscomb University, 1983; MA, University of Cincinnati, 1987; MDiv, Yale Divinity School, 1989; MA, MPHil, Yale University, 1993; PhD, Yale University, 1998.

Ishenower, Donald, 1986, Professor of Physics; BS, ACU, 1981; PhD, Iowa State University, 1986.

Ishenower, Larry D., 2014, Assistant Professor of Engineering and Physics; BS, ACU, 2005; PhD, University of Wisconsin, Madison, 2010.

Jang, Kyonghee (Kay), 2015, Assistant Professor of Social Work; BSW, Yonsei University, 1990; MSW, University of South Carolina, 2003; PhD, University of Texas at Austin, 2010.

Jessup, Ryan K., 2011, Assistant Professor of Management Sciences; BBA, ACU, 1997; MS, ACU, 2003; PhD, Indiana University, 2008.

Jinkerson, Richard, 2014, Associate Professor of Engineering and Physics; BSEE, University of New Mexico, 1982; MSME, Massachusetts Institute of Technology, 1991.

Johnson, Stephen, 2001, Associate Professor of Ministry, Graduate School of Theology, Vice President for Academic Affairs; ACU-Dallas; BA, ACU, 1990; MS, ACU 1994; MDiv, ACU, 1996; DMin, ACU, 2000; PhD, University of Toronto, 2007.

Jones, Billy Van, 1974, Professor of Psychology; BS, ACU, 1970; MA, University of Houston, 1972; PhD, University of Houston, 1974.

Jones, Kenny, 2005, Professor of Art and Design; BFA, ACU 1982; MFA, University of Tennessee, 1986.

Jones, Sheila, 1997, Associate Professor of Nutrition; BS, Texas A&M University, 1981; MS, Texas A&M University, 1988; RD, 1989; LD, 1989, PhD, Texas Woman’s University, 2005.

Kalb, Amy, Instructor of Social Work; BS, Valparaiso University, 1997; MSW, University of Michigan, 1999; PhD, Capella University.

Karabegov, Alexander, 2002, Professor of Mathematics; MS, Moscow State University, 1981; PhD, Moscow State University, 1988.


Kneip, David, 2010, Assistant Professor of Bible, Missions and Ministry; BA, Duke University, 1997; MDiv, ACU, 2003; PhD, University of Notre Dame, 2013.

Knight, Kelly, 2012, Instructor of Political Science; BA, Our Lady of the Lake University, 1978; JD, University of New Mexico, 1986.


Lee, Sarah, 2011, Assistant Professor of Biochemistry; BS, ACU, 2005; PhD, Colorado State University, 2010.

Lee, Tom, 1994, Professor and Chair of Biology; BS, Texas A&M University, 1984; MS, Angelo State University, 1987; PhD, Texas A&M University, 1992.

Lemley, Lauren, 2010, Assistant Professor of Communication; BA, ACU 2005; MA, ACU 2007; PhD., Texas A&M University, 2010.

Lewis, Susan, 1998, Associate Professor of Journalism and Mass Communication and Vice Provost; BS, ACU, 1992; MA, ACU, 1997; EdD, Pepperdine University, 2006.


Little, Andrew, 2010, Assistant Professor of Management Sciences; and Associate Dean of the College of Business Administration; B.A., ACU, 1997; J.D., Texas Tech University, 2000. MA, West Texas A&M University, 2014.

Litton, Jim, 2010, Assistant Professor of Entrepreneurship and Director of the Griggs Center for Entrepreneurship and Philanthropy; BBA, ACU, 2001; MBA, Vanderbilt University, 2005; JD, Vanderbilt University, 2005.

Luttrel, William Lynn, 1980, Associate Professor of Kinesiology and Nutrition; BSED, ACU, 1978; MSED, Baylor University, 1980; PhD, Oregon State University, 1991.

Lynn, Monty L., 1985, Professor of Management Sciences; BA, Harding University, 1981; BSW, Harding University, 1981; MS, Cornell University, 1984; MOB, Brigham Young University, 1985; PhD, Brigham Young University, 1985.

Lytle, Richard S., 1991, Professor of Management Sciences and Dean of the College of Business Administration; BBA, Harding University, 1980; MBA, Oklahoma State University, 1983; PhD, Arizona State University, 1994.

Macaluso, Suzanne, 2011, Assistant Professor of Sociology; BS, Cascade College, 2003; MS, Purdue University, 2004; PhD, Purdue University, 2010.
Rall, M. Harland, 1991, Assistant Professor of Language and Literature; BSEd, ACU, 1974; MA, University of Cincinnati, 1990; PhD, Texas Tech University, 1996.

Rankin, Sharon, 1997, Assistant Professor of Language and Literature; BA, Harding University, 1986; MS, Harding University, 1987; MA, University of California at Riverside, 1989.

Reed, Caron, 2012, Assistant Professor of Theology and Director of the Doctor of Ministry Program; BA, Oklahoma Christian University, 1980; MDiv, Harding School of Theology, 1988; DMin, ACU, 1995.

Reese, Jeanene, 1991, Associate Professor and Assistant Chair of Bible, Missions and Ministry; BS, ACU, 1974; MS, ACU, 1995; MDiv, ACU, 1998; DMin, ACU, 2001.

Reeves, Brent N., 2001, Associate Professor of Computer Science and Management Sciences; BBA, ACU, 1980; MA, ACU, 1982; MS, University of Colorado, 1991; PhD, University of Colorado, 1993.

Rhodes, Robert, 2012, Professor of Psychology and Provost; BS, Oklahoma Christian University, 1990; PhD, University of Northern Colorado, 1994.

Riggs, Mark, 1980-87, 2003, Professor of Mathematics; BS, ACU, 1975; MS, Texas A&M University, 1976; PhD, Texas A&M University, 1981.

Rix, Brad, 2015, Associate Professor of Chemistry; BS, ACU, 1993; MS, University of Akron, 1998; PhD, University of Akron, 1999.

Roberson, Matt, 2012, Associate Professor and Chair of Music; BA, Harding University, 1997; MM, Florida State University, 2000; PhD, Florida State University, 2006.

Rogers, Jennifer, 2009, Instructor of Teacher Education; BS, ACU, 2004; MEd, Hardin Simmons University, 2009.

Roggendorff, Paul, 2009, Assistant Professor of Language and Literature; BA, University of Texas, 1993; BS, Institute for Christian Studies, 1994; MA, University of Memphis, 1996; PhD, University of Kentucky – Lexington, 2012.

Roper, Cynthia, 1994, Professor of Communication; BS, Oklahoma Christian University, 1975; MA, ACU, 1986; PhD, University of Oklahoma, 1996.

Sadler, Michael, 1979, Professor of Physics; BS, Texas Tech University, 1971; MS, Indiana University, 1974; PhD, Indiana University, 1977.

Sadler, Virginia, 1980, Professor of Art and Design; BFA, University of Texas, 1970; MFA, Indiana University, 1974.
Womble, Todd M., 2015, Assistant Professor of Language and Literature; BA, ACU, 2008; MA, ACU 2010; PhD, University of Texas at Arlington, 2015.

Wright, Odes L., Jr., 2000, Associate Professor of Kinesiology and Nutrition; BSEd, ACU, 1973; MEd, University of Houston, 1982; PhD, University of New Mexico, 2002.

Wright, Richard, 2015, Associate Professor New Testament, Graduate School of Theology; BMus/AB, Oberlin College, 1994; MA, ACU, 1986; MTS, Southern Methodist University, 1988; PhD, Brown University, 1994.

Xu, Qiang, 2007, Associate Professor of Biology; BS, Zhejiang University, 1996; MS, Zhejiang University, 2003; PhD, Auburn University, 2007.

Yarema, Allan, 1999, Associate Professor of History; BA, East Texas State University, 1988; MA, East Texas State University, 1992; MS, East Texas State University, 1993; EdD, Texas A&IM University-Commerce, 1997; MAG, Texas State University, 2003.


Young, Brandon, 2008, Associate Professor of Art and Design; BS, ACU, 1997; MArch, University of Texas at Austin, 2002.

ADJUNCT FACULTY


Ellinger, Steven, 2001, Adjunct, Art and Design; BArch, Texas Tech University, 1982.

Flanagan, Diana, 2009, Adjunct, Biology; BS, Hardin-Simmons University, 1993; PhD, University of Kentucky, 1999.

Flanders, Cara, 2006, Adjunct, Marriage and Family Studies; BS, Harding University, 1988; MMFT, ACU, 1992.


Fry, Virgil, 2007, Adjunct, Graduate School of Theology; BA, ACU, 1975; MA, ACU, 1976; DMin, Austin Presbyterian Theological Seminary, 1993.

Green, Gary, 2001, Adjunct, Associate Director of Missional Formation, Bible, Missions and Ministry; BS, University of Louisiana at Monroe, 1984; DVM, Louisiana State University, 1987; MAR, Harding School of Religion, 1993.

Guild, Sonny, 1999, Adjunct, Bible, Missions and Ministry; BA, Harding University, 1966; MDiv, ACU, 1969; DMin, ACU, 1996.

Hare, Steve, 1986, Adjunct, Bible, Missions and Ministry; BS, ACU, 1972; MS, ACU, 1991.

Henderson, Larry, 1999, Adjunct, Bible, Missions and Ministry and Director of Worldwide Witness; BA, ACU, 1974; MA, Chulalongkorn (Bangkok), 1995.


Hogue, Karen, 2011, Adjunct, Music; BM, Hardin-Simmons University, 1993; MM, Hardin-Simmons University, 1995.


Madura, John, 2008, Adjunct, Music; BM, Louisiana State University, 2002; MM, Texas Tech University, 2004.

McCaleb, Gary D., 1973, Associate Professor of Management Sciences, Vice President of the University; BA, ACU, 1964; MBA, Texas A&M University, 1975; PhD, Texas A&M University, 1979.


Moore, Marcia, 2000, Adjunct, General Education and Bible, Missions and Ministry; BSN, Harding University, 1979; MTh, Harding University Graduate School of Religion, 1985.

Morgan, Janine, 2003, Adjunct, General Education and Bible, Missions, and Ministry; BA, ACU, 1976; MS, ACU, 1984; MA, Biola University, 2002.

Morris, Heidi, 2006, Adjunct, Marriage and Family Studies; BA, ACU, 1998; MA, ACU, 2000; PhD, Texas Woman’s University, 2008.

Ordonez, Karla, 2011, Adjunct, Music; BM, Louisiana State University, 1997; MM, University of North Texas, 1999; DMA, Eastman School of Music, 2006.

Otey, Robert, 2001, Adjunct, Conflict Resolution; BS, Oklahoma State University, 1965; MEd, Southwest Texas State University, 1992; PhD, Texas A&M University, 1999.

Ott, Janelle, 2013, Adjunct, Music; BA, Luther College, 2004; MM, Wichita State University, 2006; PD, Indiana University

Patrick, D. Michael, 1996, Adjunct, Bible, Missions and Ministry; BA, Hardin-Simmons University, 1971; MDiv, Southwestern Baptist Theological Seminary, 1974; DMin, Southwestern Baptist Theological Seminary, 1986.


Robbins, Donald E., 1998, Adjunct, Physics; BA, Texas Christian University, 1960; PhD, University of Houston, 1969.

Robinson, Peter, 1999, Adjunct, Conflict Resolution; BA, University of California at San Diego, 1977; JD, Hastings College of Law, 1980.


Smith, P. Kent, 1991, Adjunct, Missions Coordinator for North America, Bible, Missions and Ministry and Graduate School of Theology; BA, Harding University, 1977; MAR, Harding University, 1984; DMin, University of Dubuque Theological Seminary, 1989.


Thompson, James W., 1992, Adjunct Professor of New Testament, Graduate School of Theology; BA, ACU, 1964; MA, ACU, 1965; BD, Union Theological Seminary, 1970; PhD, Vanderbilt University, 1974.

Van Rheenen, Gailyn, 1986, Adjunct, Missions, Graduate School of Theology and Bible, Missions and Ministry; BA, Harding University, 1968; MS, ACU, 1974; DMin, Trinity Evangelical Divinity School, 1990.


Wenetschlaeger, Patty, 2002, Adjunct, Conflict Resolution; BAS, ACU, 1996; MS, ACU, 1998; JDMDR, Pepperdine University School of Law, 2002.
York, John, 2008, Adjunct, Graduate School of Theology; BA, ACU 1975; MA, ACU, 1978; MDiv, ACU, 1982; PhD, Emory University, 1989.

INTERCOLLEGIATE FACULTY
Cottrell, Jeffrey S., Intercollegiate-HSU, Music; BM, North Texas State University, 1985; MM, University of North Texas, 1996; DMA, University of North Texas, 2004.

Wilcox, Mark, Intercollegiate-MMU; BM, Wright State University, 1999, MHum, Wright State University, 2001; DMA, University of Oklahoma, 2009.

EMERITI ADMINISTRATORS
The first dates indicate years of service.

Bulleton, Wally, 1968-88, Director Emeritus of Athletics; BS, 1953; MEd, 1956.


Haseltine, Jeffrey O., 1989-2013, Associate Dean Emeritus CAS/CEHS and Associate Professor of Higher Education; BSE, Oklahoma Christian University, 1976; MLS, University of Oklahoma, 1985; PhD, Southern Illinois University at Carbondale, 1990.

Hunter, Robert D., 1956-93, Vice President Emeritus; BS, 1952; MBA, 1976; LLD, 1974; LDH, 1979; LitD, 1983.

Mattis, Charles, 1995-12, Dean Emeritus and Associate Professor of Biology; BS, ACU 1981; DDS, University of Texas, 1985.


Reese, Jack R., 1988, Professor of Ministry, Graduate School of Theology; BA, ACU, 1973; MA, University of Oklahoma, 1976; MA, ACU, 1978; PhD, University of Iowa, 1988.


Van Rheenen, Dwayne D., 1996-09, Professor Emeritus of Communication, Provost Emeritus; BA, Harding University, 1966; MA, University of Missouri, 1967; PhD, University of Missouri, 1975.

EMERITI FACULTY
The first dates indicate years of service.

Alexander, Shirley, 1986-95, Assistant Professor Emerita of Library Science; BA, Harding University, 1954; MS, Louisiana State University, 1959.

Altman, Donald M., 1969-90, Assistant Professor Emeritus of Management Sciences; BS, Syracuse University, 1961; MBA, University of Texas, 1965.


Ash, Anthony, 1962, Professor Emeritus of Bible, Missions and Ministry; BS, Florida State University, 1956; MA, ACU, 1959; PhD, University of Southern California, 1966.

Ashby, Jon, 1972-04, Professor Emeritus of Communication Sciences and Disorders; AA, Ohio Valley College, 1962; BSEd, ACU, 1964; MA, Louisiana State University, 1966; PhD, Louisiana State University, 1972.

Avinger, Juanita, 1966-85, Professor Emerita of Education; BS, Texas Tech University, 1955; MEd, Texas Tech University, 1960; EdD, Baylor University, 1974.

Bailey, Fred A., 1984-12, Professor Emeritus of History; BA, Harding University, 1970; MA, University of Tennessee, 1972; PhD, University of Tennessee, 1979.

Bailey, Virginia, 1998-12; Assistant Professor Emerita of Library Science; BS, University of Oregon, 1992; MLIS, Louisiana State University, 1994.

Bartee, Jimmy N., 1991-04, Assistant Professor Emeritus of Management Sciences; BS, ACU, 1951; BSEE, Texas Tech University, 1960; MSBA, Boston University, 1985; MA, University of Texas at Dallas, 1988.

Barton, Gay, 1990-04, Assistant Professor Emerita and James W. Culp Distinguished Professor of English; BA, ACU, 1968; MA, ACU, 1990; PhD, Baylor University, 1999.


Bradford, James, 1957-96, Professor Emeritus of Mathematics; BS, University of North Texas, 1951; MS, University of North Texas, 1952; PhD, University of Oklahoma, 1957.

Brehcen, Carl, 1961-02, Professor Emeritus of Bible, Missions and Ministry; BS, ACU, 1952; MA, Harding University, 1955; MRE, Harding University, 1956; DRE, Southwestern Baptist Theological Seminary, 1965.

Broom, Wendell, 1970-88, Assistant Professor Emeritus of Missions; BA, ACU, 1945; MA, Fuller Theological Seminary, 1970.


Brown, Robert E., 1980-12, Associate Professor Emeritus of Foreign Languages; BA, ACU, 1967; MA, University of Illinois, 1970; MEd, University of Texas, 1973; PhD, University of Texas, 1986.


Coates, Jane, 1972-93, Professor Emerita of Education; BS, Middle Tennessee State University, 1963; AMEd, Morehead State University, 1972; PhD, Texas Woman’s University, 1985.


Curtis, Joyce Mae, 1959-04, Professor Emerita of Exercise Science and Health; BS, University of North Texas, 1959; MS, University of North Texas, 1960; PED, Indiana University, 1970.


Davis, Glenn G., 1985-03, Professor Emeritus of Agriculture and Environment; BS, Texas Tech University, 1959; MS, Texas Tech University, 1966; PhD, University of Tennessee, 1973.

Dickson, Curtis, 1967-04, Professor Emeritus of Exercise Science and Health; BSEd, ACU, 1966; MEd, ACU, 1967; PhD, Texas A&M University, 1971.


Drennan, Jerry D., 1963-98, Professor Emeritus of Industrial Technology; BSEd, ACU, 1959; MEd, University of North Texas, 1963; DEd, Texas A&M University, 1970.

Dunn, Pauline, 1968-90, Instructor Emerita of Music; BA, ACU, 1944.

Eichmann, W. Valdy, 1984-04, Professor Emeritus of Foreign Languages; BA, Harding University, 1961; MA, University of Arkansas, 1965; MA, University of Arkansas, 1970; PhD, University of Arkansas, 1973.

Pruitt, Donice H. Kelly, 1948-55, 1974-90, Professor Emerita of Home Economics and Family Studies; BS, Kansas State University, 1943; MS, Kansas State University, 1951; PhD, Ohio State University, 1965; CHE, 1987.

Rasco, Marianna Y., 1965-03, Professor and Chair Emerita of Family and Consumer Sciences; AS, Tarleton State University, 1948; BS, ACU, 1953; MEd, ACU, 1955; PhD, Texas Tech University, 1982; CFCS, 1987; CFLE, 1987.

Rathbun, James Ronald, 1963-99, Professor Emeritus of Music; BS, Southwest Missouri State University, 1956; MME, Indiana University, 1957; DMA, University of Iowa, 1976.

Reese, Jack R., 1988, Professor of Ministry, Graduate School of Theology; BA, ACU, 1973; MA, University of Oklahoma, 1976; MA, ACU, 1978; PhD, University of Iowa, 1988.

Reeves, Perry, 1980-2012, Professor Emeritus of Chemistry; BS, ACU, 1965; PhD, University of Texas, Austin, 1969.

Reid, Brad, 1975-2010, Professor Emeritus of Management Sciences; BA, University of Oklahoma, 1969; JD, University of Texas, 1973.

Rippee, Nicki, 1998-11, Professor Emerita of Exercise Science and Health; BSE, ACU, 1968; MEd, Texas A&M University, 1969; PhD, University of Texas, 1980.

Robinson, John L., 1965-00, Professor Emeritus of History; BA, ACU, 1960; MA, Pepperdine University, 1961; PhD, Texas Christian University, 1970.

Rudolph, Charles, 1975-04, Associate Professor Emeritus of Psychology; BA, Harding University, 1967; MEd, Mississippi State University, 1970; PhD, Mississippi State University, 1973.

Schulze, Paul D., 1970-04, Professor Emeritus of Physics; BS, ACU, 1963; MS, University of Nebraska, 1966; PhD, University of Nebraska, 1970.

Shake, Roy, 1958-00, Associate Professor Emeritus of Biology; BS, Eastern Illinois University, 1954; MS, University of Wisconsin, 1956.


Small, Charles D., 1977-04, Associate Professor Emeritus of Management Sciences; BS, ACU, 1954; MS, ACU, 1975; PhD, Texas A&M University, 1978.

Smallwood, John, 1979-99, Assistant Professor Emeritus of Computer Science; BS, Texas Tech University, 1962; MA, University of Texas, 1968.

Speck, Beatrice, 1959-88, Professor Emerita of History; BA, Southwest Texas State University, 1939; MA, Southwest Texas State University, 1948; PhD, Texas Christian University, 1974.

Speck, Henry, III, 1980-01, Professor Emeritus of History; BA, University of Texas at Austin, 1960; MA, University of Texas, 1961; DPhil, Oxford University, 1965.


Van Rheenen, Dwayne D., 1996-09, Professor Emeritus of Communication, Provost Emeritus; BA, Harding University, 1996; MA, University of Missouri, 1967; PhD, University of Missouri, 1975.

Van Rheenen, Gailyn, 1986-04, Professor Emeritus of Missions, Graduate School of Theology and Bible, Missions and Ministry; BA, Harding University, 1968; MS, ACU, 1974; DMiss, Trinity Evangelical Divinity School, 1990.

Varner, Cleddy, 1966-00, Professor Emeritus of Exercise Science and Health; BS, ACU, 1958; MEd, Baylor University, 1959; EdD, University of Northern Colorado, 1980.

Varner, Patricia, 1969-00, Assistant Professor Emerita of Family and Consumer Sciences; BS, ACU, 1959; MA, University of Northern Colorado, 1978.
Walton, George W., 1964, Professor Emeritus of Language and Literature; BA, ACU, 1963; MA, University of Arkansas, 1964; PhD, Texas Tech University, 1976.

Wasemiller, Kathryn, 1984, Professor Emerita of Art and Design; BFA, ACU, 1977; MFA, Texas Tech University, 1980.

Index

About This Catalog .............................................................. 134
Academic Advising ............................................................. 27
Academic and Departmental Clubs ....................................... 34
Academic Calendar ................................................................ 3
Academic Definitions and Policies ........................................ 130
Graduate ............................................................................. 130
Undergraduate ................................................................. 25
Academic Fresh Start Admission .......................................... 18
Academic History ................................................................ 29
Academic Information, Graduate ........................................ 130
Undergraduate ................................................................. 25
Academic Integrity, Graduate ............................................... 127
Undergraduate ................................................................. 26
Academic Organizations ..................................................... 34
Academic Standing ............................................................ 29
Accounting Courses (See ACCT and MACC) ...................... 166, 207
Accounting Integrated Plan ............................................... 99
Accounting and Finance, department of ............................... 99
Accounting, major in, Graduate .......................................... 134
Undergraduate ................................................................. 100
Accreditation, Graduate ..................................................... 128
Undergraduate ................................................................. 8
ACT Scores ......................................................................... 15
ACT/SAT Placement Information ....................................... 19
ACU Online ......................................................................... 126
Admission Requirements .................................................. 126
ACU, Orientation ............................................................... 18
Profile .................................................................................. 4
Add/Drop Period ............................................................... 21
Add/Drop Policy ................................................................. 27, 127
Adjunct and In-Residence Faculty ....................................... 243
Administrators .................................................................... 235
Admission to Major ........................................................... 30
Admission, ESL Student ..................................................... 18
Former ACU student ......................................................... 17
Freshman ........................................................................... 15
International Student ....................................................... 16
Military and Veterans ....................................................... 18
Second Baccalaureate Degree ............................................ 17
Transfer ............................................................................... 16
Transient (Special or Short Term) Students ......................... 17
Admission, Non-degree Graduate ....................................... 129
Undergraduate (See Transient) ......................................... 17
Admission, University ....................................................... 15
Advanced Mathematics Placement Test ......................... 19
Advertising/Public Relations, major in .............................. 68
Advising ............................................................................. 27
Agribusiness Courses (See AGRB) ..................................... 166
Agribusiness, major in ..................................................... 40
Agricultural and Environmental Sciences Courses (See AENV) 166
Agricultural and Environmental Sciences, Department of .... 40
Agricultural Sciences, minor in .......................................... 43
Aging Studies, minor in .................................................... 125
Alcohol, Possession or use of ............................................. 35
All-Level (EC through 12) Teacher Certification .................. 120
Animal Health Professions Cooperative Degree ................ 43
Animal Science Courses (See ANSC) .................................. 166
Animal Science, major in .................................................. 41
Annual Block Tuition .......................................................... 21
Anthropology Courses (See ANTH) ................................. 167
Application for Admission ................................................. 15
Architecture, Pre-, major in ............................................. 47
Art and Design, Department of .......................................... 44
Art Courses (See ART) ...................................................... 167
Art, major in, BFA ........................................................... 45
minor in ............................................................................ 48
Art Therapy, minor in ....................................................... 48
Arts and Sciences, College of .......................................... 39
Associate Degree Requirements ...................................... 30
Associate of Arts Degree .................................................. 47
Athletic Training Track ..................................................... 110
Athletics ............................................................................ 36
Attendance ......................................................................... 26
Auditing Courses ............................................................. 27, 132
Bachelor in Family Studies Courses (See BMFT) ............... 177
Bachelor’s Degrees Requirements .................................... 30
Bible & Ministry, major in ................................................. 94
Bible School Student Admission ....................................... 93
Bible, Missions and Ministry, Department of ................. 94
Bible, Missions, and Ministry, minor in ......................... 96
Biblical Studies Courses (See BIBL) ................................. 170
Biblical Studies, College of ............................................. 93
Biblical Studies, Interdisciplinary Degree ......................... 96
Biblical Studies, Master of Arts
Ancient and Oriental Christianity .................................... 161
Modern and American Christianity .................................. 162
New Testament ............................................................... 161
Old Testament .............................................................. 161
Theology .......................................................................... 161
Billing Statement ............................................................ 21
Biochemistry, major in, BA .............................................. 56
major in, BS .................................................................. 54
Biology Courses (See BIOL) ............................................. 175
Biology at Au Sable Courses (See BIOA) ......................... 174
Biology, Department of .................................................. 49
major in, BA ................................................................. 52
major in, BS ................................................................. 50
minor in .......................................................................... 53
Teacher Certification ....................................................... 51
Board of Trustees ........................................................... 235
Business Administration Courses (See BUSA) ................. 179
Business Administration, Master of ............................... 135
minor in .......................................................................... 103
Calendar, Academic ................................................................ 3
Campus Cash ................................................................. 21
Career Center ................................................................ 12
Catalog Disclaimer .......................................................... inside front cover
Catalog Expiration .......................................................... 30
Catalog Year .................................................................... 30
Challenging a Course ..................................................... 19
Changing/Adding a Major ................................................ 26, 127
Chapel Attendance ........................................................... 35
Check In .......................................................................... 26
Chemistry and Biochemistry, Department of ................. 53
Chemistry Courses (See CHEM) ...................................... 179
Chemistry, major in ......................................................... 54
minor in .......................................................................... 56
| 250
<table>
<thead>
<tr>
<th>Course Area</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Class Piano Courses (See MUPC)</td>
<td>212</td>
</tr>
<tr>
<td>Music Education, Leadership of Learning</td>
<td>141</td>
</tr>
<tr>
<td>Master of Business Administration</td>
<td>135</td>
</tr>
<tr>
<td>Master of Business Administration</td>
<td>135</td>
</tr>
<tr>
<td>Master of Divinity (MDiv)</td>
<td>163</td>
</tr>
<tr>
<td>Master of Divinity (MDiv)</td>
<td>163</td>
</tr>
<tr>
<td>Master of Education, Leadership of Learning</td>
<td>141</td>
</tr>
<tr>
<td>Master of Missions, Master of Divinity</td>
<td>163</td>
</tr>
<tr>
<td>Master of Missions, Master of Divinity</td>
<td>163</td>
</tr>
<tr>
<td>Master of Music, Missions, Master of Divinity</td>
<td>163</td>
</tr>
<tr>
<td>Mathematics, Department of, major in, BS, BA</td>
<td>76</td>
</tr>
<tr>
<td>Mathematics Courses (See MATH)</td>
<td>207</td>
</tr>
<tr>
<td>Mathematics Placement Test</td>
<td>19</td>
</tr>
<tr>
<td>McNair Scholars Program</td>
<td>11</td>
</tr>
<tr>
<td>Meal Plans</td>
<td>21</td>
</tr>
<tr>
<td>Media Organizations</td>
<td>34</td>
</tr>
<tr>
<td>Midterm Grades</td>
<td>29</td>
</tr>
<tr>
<td>Military and Veterans Admission</td>
<td>18</td>
</tr>
<tr>
<td>Ministry and Vocation, major in</td>
<td>95</td>
</tr>
<tr>
<td>Music, Department of</td>
<td>79</td>
</tr>
<tr>
<td>Music Class Piano Courses (See MUPC)</td>
<td>212</td>
</tr>
<tr>
<td>Music Education Courses (See MUSE)</td>
<td>213</td>
</tr>
<tr>
<td>Music Miscellaneous Courses (See MUSC)</td>
<td>212</td>
</tr>
<tr>
<td>Music Performance Ensemble Instrumental Courses (See MPEI)</td>
<td>211</td>
</tr>
<tr>
<td>Music Performance Ensemble Vocal Courses (See MPEV)</td>
<td>211</td>
</tr>
<tr>
<td>Music Private Instruction Instrumental Courses (See MPIM and MPIN)</td>
<td>212</td>
</tr>
<tr>
<td>Music Private Instruction Instrumental Non-Major Courses (See MPIN)</td>
<td>212</td>
</tr>
<tr>
<td>Music Private Instruction Piano Courses (See MUPM and MUPN)</td>
<td>212</td>
</tr>
<tr>
<td>Music Private Instruction Piano Non-Major (See MUPN)</td>
<td>212</td>
</tr>
<tr>
<td>Music Private Instruction Vocal Courses (See MPVM and MPVN)</td>
<td>212</td>
</tr>
<tr>
<td>Music Private Instruction Vocal Non-Major (See MPVN)</td>
<td>212</td>
</tr>
<tr>
<td>Music Theory Courses (See MUST)</td>
<td>214</td>
</tr>
<tr>
<td>Musical Theatre</td>
<td>92</td>
</tr>
<tr>
<td>Musical Theatre Courses (See THEA)</td>
<td>213</td>
</tr>
<tr>
<td>Musicology Courses (See MUSM)</td>
<td>213</td>
</tr>
<tr>
<td>Need-Based Grants</td>
<td>20</td>
</tr>
<tr>
<td>New Student Orientation</td>
<td>18</td>
</tr>
<tr>
<td>New Testament, Graduate</td>
<td>161</td>
</tr>
<tr>
<td>Non-degree Graduate Student</td>
<td>129</td>
</tr>
<tr>
<td>Non-Descriptive Notice</td>
<td>9</td>
</tr>
<tr>
<td>Nursing, Admission Requirements (Undergraduate)</td>
<td>122</td>
</tr>
<tr>
<td>Nutrition, Admission Requirements (Undergraduate)</td>
<td>122</td>
</tr>
<tr>
<td>Nutrition, major in</td>
<td>112</td>
</tr>
<tr>
<td>Nutrition, major in</td>
<td>113</td>
</tr>
<tr>
<td>Occupational Therapy Courses (OCCT)</td>
<td>217</td>
</tr>
<tr>
<td>Occupational Therapy</td>
<td>152</td>
</tr>
<tr>
<td>Occupational Therapy, Department of</td>
<td>152</td>
</tr>
<tr>
<td>Occupational Therapy, Pre-</td>
<td>152</td>
</tr>
<tr>
<td>Official Transcript</td>
<td>110</td>
</tr>
<tr>
<td>Old Testament, Graduate</td>
<td>161</td>
</tr>
<tr>
<td>Online, ACU</td>
<td>126</td>
</tr>
<tr>
<td>Optimist, the</td>
<td>67</td>
</tr>
<tr>
<td>Optometry, Pre-</td>
<td>54</td>
</tr>
<tr>
<td>Organizational Development, Graduate</td>
<td>153</td>
</tr>
<tr>
<td>Organizational Leadership Courses (See LEAD)</td>
<td>206</td>
</tr>
<tr>
<td>Orientation to ACU</td>
<td>18</td>
</tr>
<tr>
<td>Outcomes, Student</td>
<td>8</td>
</tr>
<tr>
<td>Part-time Status, Graduate</td>
<td>131</td>
</tr>
<tr>
<td>Graduate</td>
<td>25</td>
</tr>
<tr>
<td>Undergraduate</td>
<td>25</td>
</tr>
<tr>
<td>Pass/Fail Grades</td>
<td>29</td>
</tr>
<tr>
<td>Payment Plans</td>
<td>20</td>
</tr>
<tr>
<td>Peace and Social Justice Courses (See PSJS)</td>
<td>223</td>
</tr>
<tr>
<td>Personnel</td>
<td>235</td>
</tr>
<tr>
<td>Philosophy Courses (See BIBP)</td>
<td>174</td>
</tr>
<tr>
<td>Philosophy Courses (See PHIL)</td>
<td>219</td>
</tr>
<tr>
<td>Philosophy, minor in</td>
<td>124</td>
</tr>
<tr>
<td>Physical Education Courses (See PEAC)</td>
<td>218</td>
</tr>
<tr>
<td>Physical Science (One-field Teacher Certification), major in</td>
<td>55</td>
</tr>
<tr>
<td>Physical Therapy, Pre-</td>
<td>110</td>
</tr>
<tr>
<td>Physics Courses (See PHYS)</td>
<td>220</td>
</tr>
<tr>
<td>Physics, Applied, M.S. Program at Texas Tech University</td>
<td>61</td>
</tr>
<tr>
<td>School Applicants</td>
<td>93</td>
</tr>
<tr>
<td>Pre-Architecture, major in</td>
<td>47</td>
</tr>
<tr>
<td>Pre-Architecture, major in</td>
<td>47</td>
</tr>
<tr>
<td>Pre-Dental, major in</td>
<td>54</td>
</tr>
<tr>
<td>Pre-Law, major in</td>
<td>31</td>
</tr>
<tr>
<td>Pre-Occupational Therapy Track</td>
<td>110</td>
</tr>
<tr>
<td>Pre-Optometry</td>
<td>54</td>
</tr>
<tr>
<td>Pre-Physical Therapy Track</td>
<td>110</td>
</tr>
<tr>
<td>Pre-Professional Degree Requirements</td>
<td>31</td>
</tr>
<tr>
<td>Prerequisites and Corequisites</td>
<td>165</td>
</tr>
<tr>
<td>Pre-veterinary Medicine Track</td>
<td>42</td>
</tr>
<tr>
<td>Animal Science</td>
<td>42</td>
</tr>
<tr>
<td>Biology</td>
<td>50</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>55</td>
</tr>
<tr>
<td>Probation</td>
<td>132</td>
</tr>
<tr>
<td>Graduate</td>
<td>29</td>
</tr>
<tr>
<td>Undergraduate</td>
<td>29</td>
</tr>
<tr>
<td>Profile, ACU</td>
<td>4</td>
</tr>
<tr>
<td>Psychology Courses (See PSYC)</td>
<td>223</td>
</tr>
<tr>
<td>Psychology, Department of, major in</td>
<td>154</td>
</tr>
<tr>
<td>Graduate</td>
<td>89</td>
</tr>
<tr>
<td>Undergraduate</td>
<td>89</td>
</tr>
<tr>
<td>Psychology, major in</td>
<td>155</td>
</tr>
<tr>
<td>Graduate</td>
<td>90</td>
</tr>
<tr>
<td>Psychology, minor in</td>
<td>90</td>
</tr>
<tr>
<td>Public Relations/Advertising, major in</td>
<td>68</td>
</tr>
<tr>
<td>Public Service, minor in</td>
<td>89</td>
</tr>
<tr>
<td>Quality Points and Hours</td>
<td>29</td>
</tr>
<tr>
<td>Quarterly Payment Plan</td>
<td>21</td>
</tr>
<tr>
<td>Reading Courses (See READ)</td>
<td>226</td>
</tr>
<tr>
<td>Re-Admission (Former ACU Student)</td>
<td>17</td>
</tr>
</tbody>
</table>
School of

Spanish Courses (See SPAN) .......................................................... 228
Spanish, minor in .............................................................................. 75

Social Work, School of

Graduate ...................................................................................... 113
Second Baccalaureate Degree, Admission ........................................ 17
Second Bachelor’s Degree Requirements ........................................... 31
Second Master’s Degree ................................................................... 131
Semester Hour ..................................................................................... 25
Service Organizations ......................................................................... 34
Social Clubs ......................................................................................... 34
Social Services Administration, Graduate Certificate .......................... 157
Social Work Courses (See SOCW) .................................................... 227
Social Work, major in

Graduate ...................................................................................... 156
Undergraduate ............................................................................ 114
Social Work, School of

Graduate ...................................................................................... 156
Undergraduate ............................................................................ 113
Sociology Courses (See SOCI) ......................................................... 226
Sociology, major in ........................................................................... 59
minor in ............................................................................................ 59
Spanish, major in ............................................................................. 74
minor in ............................................................................................ 75
Spanish Courses (See SPAN) .......................................................... 228
Special Education Courses (See SPED) .......................................... 229
Special Education Supplements ..................................................... 120
Special Interest Clubs ........................................................................ 34
Special Topics Courses ..................................................................... 165
Special/Short Term Student Admission ........................................... 17
Speech Pathology Courses (See COMP) ......................................... 182
Speech-Language Pathology, Graduate .......................................... 137
Student Admission Categories ......................................................... 15
Student Financial Services ............................................................... 20
Student Life ....................................................................................... 33
Student Loan Program ..................................................................... 20
Student Organizations and Activities ................................................. 33
Student Outcomes ............................................................................. 8
Student Support Services (See TRIO) ............................................... 11

Study Abroad ..................................................................................... 13
Superintendent Certification ............................................................. 142
Suspension, Graduate ........................................................................ 132
Talent Search ..................................................................................... 11
Teacher Certification ........................................................................ 115

Teacher Certification, Early Childhood Through Grade 4 .............. 116
Life Science (Grades 8-12) ............................................................... 51
Middle School Education Language Arts ......................................... 117
Middle School Education Mathematics ............................................. 118
Middle School Education Social Studies ......................................... 118
Social Studies (Grades 8-12) ............................................................. 65
Special Education with Early Childhood and Elementary ............. 117

Teaching Faculty ............................................................................. 237

Technology (Education) Course (See TECH) .................................... 230
Testing ............................................................................................... 19

Theatre, Department of ................................................................... 91
major in ............................................................................................ 91
minor in ........................................................................................... 92
Theatre Courses (See THEA) ............................................................ 230
Theology Courses (See BIBD and BIBT) .......................................... 169, 174
Theology, Graduate School of ....................................................... 159
Title IV Funds, Return of ................................................................. 22
Transcripts ......................................................................................... 26
Admission to ACU ........................................................................... 15
Ordering ........................................................................................... 26
Transfer Credit .................................................................................. 28
Graduate .......................................................................................... 133
Preacher Training Schools ............................................................... 93
Transferring Credit at Time of Admission ........................................ 28
Transient Student Admission .......................................................... 17

Tuition

Annual Cost (tuition, fees, room and board) ..................................... 4
Tutorial Courses .............................................................................. 165
Undeclared Students ......................................................................... 27
University Chorale ........................................................................... 80
University Courses (See UNIV) ....................................................... 231
Upper Division Hours ...................................................................... 31
Upward Bound .................................................................................. 11
Veterans Admission .......................................................................... 18

Veterinary Medicine, Pre-vet

Animal Science ................................................................................ 42
Biology ............................................................................................ 50
Biochemistry .................................................................................... 55
Wildcat Week ................................................................................... 18
Wildcat Weekend ............................................................................. 18
Withdrawal from a Course ............................................................... 26
Withdrawal From University, Refund .............................................. 22
Withdrawal from a Course, Refund ................................................ 22
Withdrawal from the University ....................................................... 26

Wildcat Weekend ............................................................................. 18

Writing Center .................................................................................. 13
Writing Track, English, Graduate ................................................... 144

Writing-Intensive Course Requirement ........................................... 31