Associate of Science to Bachelor of Science in Information Technology Administration (Online)

SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS

2021-22 Catalog Year • Engineering, Technology, Mathematics and Sciences Career Paths • Available at all Campuses

This is an example course sequence for students interested in pursuing Information Technology. Although there may be several options to fulfill certain requirements for the associate's degree, please note that this pathway lists the specific courses leading to this bachelor's degree. All plans can be modified to fit the needs of part-time students. This is not an official degree plan. Refer to catalog for official degree requirements. You must receive a GPA of at least 2.00 on all college-level course work. Students must earn at least 25% of the credit hours required for graduation through instruction by Dallas College. Contact your advisor for information.

A.S. DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS • PATHWAY REQUIREMENTS LISTED BELOW

Semester 1 (14 hours)	Semester 2 (15 hours)
ENGL 1301 – Composition I	ENGL 1302 – Composition II
HIST 1301 – United States History I	ECON 2301* – Principles of Macroeconomics
MATH 2413 – Calculus I (Required Prerequisites: MATH 1314, 1316 and 2412)	HIST 1302 – United States History II *or* HIST 2301* – Texas History
PHED 1164* – Introduction to Physical Fitness and Wellness	ARTS 1301 – Art Appreciation *or* DRAM 1310 – Theater Appreciation *or* MUSI 1306 – Music Appreciation
EDUC 1300 –Learning Framework	
	SPCH 1311 – Introduction to Speech Communication *or* SPCH 1315* – Public Speaking

Semester 3 (7-8 hours)	Semester 4 (13-14 hours)
MATH 2414* – Calculus II *or* MATH 1342 – Elementary Statistical Methods	GOVT 2305 – Federal Government
CHEM 1411* – General Chemistry I *or* BIOL 1406 – Biology for Science Majors I	PHYS 2425 – University Physics I *or* CHEM 1412 – General Chemistry II
	COSC 1436* – Programming Fundamentals I *or* ACCT 2301 – Principles of Financial Accounting
	ENGL 2332 – World Literature I (ACU requires this course) *or* PHIL 1301 – Introduction to Philosophy *or* PHIL 1306 – Introduction to Ethics

Semester 5 (12-14 hours)	
GOVT 2306 – Texas Government	COSC 1437* – Programming Fundamentals II *or* ACCT 2302 – Principles of Managerial Accounting
COSC 2436* – Programming Fundamentals III *or* ECON 2302 – Principles of Microeconomics	MATH 2305 – Discrete Mathematics *or* Elective (3 credit hours)

**ACU prefers these courses, but there are several options to fulfill this requirement. Contact your academic advisor for a specific list.*

ACU TRANSFER TRACK

Associate of Science to Bachelor of Science in Information Technology Administration (Online)

SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS

For questions about the Abilene Christian University portion of this transfer pathway, contact the Admissions Office at (855) 219-7300. It is best to apply to ACU a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application. Abilene Christian University only accepts transfer course work with a grade of "C" or higher.

Semester 1 (12 hours)	Semester 2 (12 hours)
BIBL 103 – Story of the New Testament	BIBL 211 – Message of the Old Testament
ITA 110 – IT Fundamentals	ITO 225 – Web Technologies
ITO 220 – Intro to Databases and Database Management Systems	ITO 310 – Introduction to Computer and Information Security
ITO 221 – Fundamentals of Networking and Data Communications	ITO 320 – Database Administration

Semester 3 (12 hours)	Semester 4 (12 hours)
ITA 405 – Systems Development Processes and Methodologies	BIBT 342 – Christianity in Culture
ITO 410 – Systems Integration and Administration	ITA 490 – Topic in Information Technology
ITC 460 – Project Management for Information Technology Professionals	ITA 491 – Emerging Technologies in Information Technology
MATH 377 – Statistical Methods I	Elective

Semester 5 (12 hours)
Elective
3 Courses from a Specialty Track Below

Cybersecurity Track (all 3 courses): ITO 415 – Networks and Security Administration; *and* ITO 473 – Cybersecurity Policies, Standards, and Compliance; *and* ITO 475 – Risk and Incident Planning and Response

Application Development Track (all 3 courses): ITO 325 – Web Application Development; *and* CS 330 – Human-Computer Interaction; *and* ITA 315 – Mobile Application Development for Information Technology

General Track (choose 3 of the following): CSO 330 – Human-Computer Interaction; *or* ITO 325 – Web Application Development; *or* ITO 315 – Mobile Application Development for Information Technology; *or* ITO 415 – Networks and Security Administration; *or* ITO 473 – Cybersecurity Policies, Standards, and Compliance; *or* ITA 447 – Risk and Incident Planning and Response

Approved: 2021-22 Guided Pathway; Approved by Abilene Christian University July 19, 2021