

## **ACU Dual Credit Course Descriptions**

### **ART 101 – Introduction to Art**

Fundamentals of Art pertaining to perceptive viewing and understanding.

*Texas Common Course Number ARTS 1301*

### **AENV 130 – Environmental and Technological Science**

A study of environmental and technological sciences including natural resources and the impact of modern technology on the human environment. For non-science majors.

*Texas Common Course Number BIOL 2306*

### **BIOL 101 – Biology: Human Perspective**

A conceptual investigation of biological principles from the human perspective - including historical, theoretical, ethical, and practical aspects. For non-biology majors.

*Texas Common Course Number BIOL 1408*

### **CS 116 – Scripting**

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 interactive program control structures, user-defined functions, simple algorithm design, and debugging strategies.

### **ENGL 111 – Composition and Rhetoric**

The theory and practice in reading and writing analytical and persuasive essays.

Prerequisite: Scores - 19 ACT/500 SAT for English/verbal including the writing placement test.

*Texas Common Course Number ENGL 1301*

### **ENGL 112 – Composition and Literature**

Expository, critical, and persuasive writing with research based on the reading of literary works.

Prerequisite: ENGL 111

*Texas Common Course Number ENGL 1302*

### **ENGL 222 – Major British Writers II**

Survey of British writers from the eighteenth century to the present.

Prerequisite: Completion of ENGL 111 and 112

*Texas Common Course Number ENGL 2323*

### **ENGL 232 – World Literature II**

Survey of world masterpieces after 1700, with attention to the connections between culture and literature.

Prerequisite: Completion of ENGL 111 and 112

*Texas Common Course Number ENGL 2333*

**ENGL 263 – American Literature After 1860**

Survey of American literature from the early 20<sup>th</sup> century to the present. The course emphasizes the multicultural voices, both male and female, that constitute American literature.

Prerequisite: Completion of ENGL 111 and 112

*Texas Common Course Number ENGL 2328*

**HIST 118 – Civilization II**

Survey of the social, economic, religious, political and aesthetic activities of western civilization from 1660 to the present.

*Texas Common Course Number HIST 2312*

**HIST 131 – World History: Cultures and Connections since 1400**

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.

*Texas Common Course Number HIST 2323*

**IT 105 – Introduction to Mobile Application Development**

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.

**MATH 109 – Precalculus I**

Properties, graphs, and applications of linear functions, quadratic functions, logarithmic functions, and exponential functions.

Prerequisite: Meet one of the following – MATH SAT (prior to March 1,2016) score of 500; MATH SAT (after March 1, 2016) score of 530; MATH ACT score of 20; MATW 019; or placement into MATH 109

*Texas Common Course Number MATH 1414*

**MATH 123 – Elementary Statistics**

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 (prior to March 1,2016) score of 500; MATH SAT (after March 1, 2016) score of 530; MATH ACT score of 20; or mathematics placement testing into MATW 123

*Texas Common Course Number MATH 1442*

**MATH 124 – Precalculus II**

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 a satisfactory score on the mathematics placement test

*Texas Common Course Number MATH 2312*

**MATH 185 – Calculus I**

Limits, continuity, differential calculus of elementary functions. Applications to curve sketching, optimization, rates of change, and linear approximations. Introduction to antiderivatives and definite integrals.

Prerequisite: MATH 124 or a satisfactory score on the mathematics placement exam

*Texas Common Course Number MATH 2313*

**SOCI 111 – Introduction to Sociology**

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.

*Texas Common Course Number SOCI 1301*

**SPAN 111 – Elementary Spanish I**

Introduction to the Spanish language; Emphasis on oral communication skills.

Preferred score minimums of 19 ACT/460 SAT for English/verbal. Requires department approval.

*Texas Common Course Number SPAN 1411*

**SPAN 112 – Elementary Spanish II**

Continuation of SPAN 111.

Prerequisite: SPAN 111

*Texas Common Course Number SPAN 1412*