

## **Courses Descriptions for Aims Classes Offered at Early College Academy 2019-2020**

### **ART 110 | Art Appreciation**

Introduces the cultural significance of the visual arts, including media, processes, techniques, traditions, and terminology. This course is a state guaranteed transfer course GT-AH1. Three credits.

### **CCR 094 | Studio 121**

Integrates and contextualizes reading and writing strategies tailored to corequisite ENG 121 coursework. Students will read and understand complex materials and respond to ideas and information through writing informative and/or persuasive texts. Technology skills required (keyboarding, creating, saving, and sending word-processed files, using the Internet, etc.) Prerequisite(s): Placement test. Corequisite: ENG 121. Three credits.

### **CHE 105 | Chemistry in Context with Lab**

Covers the study of measurements, matter, molecules, atoms, chemical bonding, nomenclature, energy, acids, bases, and nutrition. Course work examines chemistry in the modern world and surveys the current knowledge as well as the conceptual framework of the discipline. Chemistry as a science is explored, as is the impact of chemistry on society. This course includes laboratory experience and is designed for non-science majors. This course is a state guaranteed transfer course GT-SC1. Students may use either CHE 101 or CHE 105 for the A.A. degree. Credit will not be given for both. CHE 105 cannot be applied towards the A.S. degree. Prerequisite(s): CCR 092 or higher and MAT 055 or higher (except MAT 107, 109, 112, 135, 175). Five credits.

### **COM 115 | Public Speaking**

Combines the basic theory of speech communication with public speech performance skills. Emphasis is on speech delivery, preparation, organization, support, and audience analysis. Prerequisite(s): ENG 090, or ENG 121, or ENG 122, or ENG 131; or CCR 092, or CCR 093, or CCR 094, all with a grade of C or better. Or placement test skills of 95 or above. Keyboarding skills required. Three credits.

### **COM 125 | Interpersonal Communication**

Examines the communication involved in interpersonal relationships occurring in family, social and career situations. Relevant concepts include self-concept, perception, listening, nonverbal communication, and conflict. Prerequisite(s): ENG 090, or ENG 121, or ENG 122, or ENG 131; or CCR 092, or CCR 093, or CCR 094, all with a grade of C or better. Or placement test skills of 95 or above. Keyboarding skills required. Three credits.

**ECO 201 | Principles of Macroeconomics**

Focuses on the study of the American economy, stressing the interrelationships among household, business, and government sectors. Explores saving and investment decisions, unemployment, inflation, national income accounting, taxing and spending policies, the limits of the market and government, public choice theory, the Federal Reserve System, money and banking, and international trade. This course is a state guaranteed transfer course GT-SS1. Three credits.

**ECO 202 | Principles of Microeconomics**

Studies the firm, the nature of cost, and how these relate to the economy as a whole. Analyzes economic models of the consumer, perfect competition, monopoly, oligopoly and monopolistic competition. Explores economic issues including market power, population growth, positive and negative externalities, income distribution, poverty and welfare, discrimination, and international economic interdependence. This course is a statewide guaranteed transfer course GT-SS1. Three credits.

**ENG 121 | English Composition I**

Emphasizes the planning, writing, and revising of compositions, including the development of critical and logical thinking skills. This course introduces students to research strategies and skills. This course includes a minimum of five compositions that stress purpose, audience, and persuasive/argumentative writing. Proficiency in essay writing is required for a passing grade, and students must have a C or better in ENG 121 before they will be admitted to ENG 122. Technology skills required: creating, storing, and sending word-processed files, using the Internet, etc. This course is a statewide guaranteed transfer course GT-CO1. Prerequisite(s): ENG 090, or CCR 092, or CCR 093, or CCR 094, all with a grade of C or better; or placement test. Students may take concurrently with CCR 094. No exceptions to course prerequisite will be allowed. Three credits

**ENG 121 | English Composition II**

Expands and refines the objectives of English Composition I. Emphasizes critical/logical thinking and reading, problem definition, research strategies, and writing analytical, argument papers that incorporate research. Technology skills are required (creating, storing, and sending word-processed files, using the Internet, etc.) This course is a statewide guaranteed transfer course GT-CO2. Prerequisite(s): ENG 121 with a grade of C or better. No exceptions to course prerequisite will be allowed. Three credits.

**ENV 101 | Environmental Science with Lab**

Provides an introduction to the basic concepts of ecology and the relationship between environmental problems and biological systems. Includes interdisciplinary discussions on biology, chemistry, geology, energy, natural resources, pollution, and environmental protection. Using a holistic approach, students will study how the foundations of natural sciences interconnect with the environment. This course includes laboratory experience. This course is a statewide guaranteed transfer course GT-SC1 but cannot be applied toward an Associate of Science degree. Four credits.

**HIS 122 | US History Since Civil War**

Explores events, trends, peoples, groups, cultures, ideas, and institutions in United States History, including the multiple perspectives of gender, class, and ethnicity, between the period of the American Civil War and the present. Focuses on developing, practicing, and strengthening the skills historians use while constructing knowledge in the discipline. This course is a statewide guaranteed transfer course GT-HI1. Three credits.

**HUM 115 | World Mythology**

Introduces students to a multidisciplinary approach to world mythology. Common themes are illustrated and connected to religion, philosophy, art, literature, music, and contemporary culture. In addition, students will study various ways of interpreting myth. . This course is one of the Statewide Guaranteed Transfer courses. GT-AH2. Three credits.

**HUM 131 | Arts & Cultures of Mexico**

Introduces students, through visual arts, music, and literature to attitudes toward the sacred and toward power (political, economic, social, religious) held by various cultures in Mexico from the Pre-Hispanic era to the mid-twentieth century. Three credits.

**HWE 111 | Health & Fitness**

Studies health and fitness in the U.S. today. The course will look at personal health issues, managing stress, nutrition and health life styles. Three credits.

**LIT 115 | Introduction to Literature**

Introduces students to fiction, poetry, and drama. Emphasizes active and responsive reading. This course is a statewide guaranteed transfer course GT-AH2. Three credits.

**LIT 202 | World Literature after 1600**

Examines significant writings in world literature from the seventeenth century to the present. Emphasizes careful reading and understanding of the works and their cultural backgrounds. This course is a statewide guaranteed transfer course GT-AH2. Three credits.

**MAT 120 | Math for Liberal Arts**

Develops mathematical and problem-solving skills. Appropriate technological skills are included. Content is selected to highlight connections between mathematics and the society in which we live. Topics include set theory and logic, mathematical modeling, probability and statistical methods, and consumer mathematics. Additional content will include one topic in geometry, numeration systems, decision theory, or management science. This course is a state guaranteed transfer course GT-MA1. Prerequisite(s): MAT 050 or higher (except MAT 060, MAT 103, MAT 107, MAT 108, MAT 109 and MAT 112), all with grade of C or better, or assessment. Four credits.

**MAT 121 | College Algebra**

Explores topics including intermediate algebra, equations, and inequalities, functions and their graphs, exponential and logarithmic functions, linear and non-linear systems, selection of topics from among graphing of the conic sections, introduction to sequences and series permutations and combinations, the binomial theorem and theory of equations. This course is a statewide guaranteed transfer course GT-MA1. Prerequisite(s): MAT 055 or higher (except MAT 090, MAT 103, MAT 107, MAT 108, MAT 109, MAT 112, and MAT 120), with a grade of C or better (except MAT 135 or BUS 226 – minimum grade of B or better) or assessment test. Registration in lab class MAT 093 may also be required depending on assessment score. Four credits.

**MAT 122 | College Trigonometry**

Covers topics including trigonometric functions (with graphs and inverse functions), identities and equations, solutions of triangles, complex numbers, and other topics as time permits. This is a traditional prerequisite course to the calculus sequence. This course is a statewide guaranteed transfer course GT-MA1. Prerequisite(s): MAT 121 or higher, all with grade of C or better, or assessment. Three credits.

**MAT 135 | Intro to Statistics**

Includes data presentation and summarization, introduction to probability concepts and distributions, statistical inference-estimation, hypothesis testing, comparison of populations, correlation and regression. This course is a state guaranteed transfer course GT-MA1. Prerequisite(s): MAT 050 or higher (except MAT 060, MAT 103, MAT 107, MAT 108, MAT 109, and MAT 112), all with grade of C or better, or assessment. Registration in lab class MAT 092 may also be required depending on assessment score. Three credits.

**MAT 201 | Calculus I**

Introduces single variable calculus and analytic geometry. Includes limits, continuity, derivatives, and applications of derivatives as well as indefinite and definite integrals and some applications. This course is a statewide guaranteed transfer course GT-MA1. Prerequisite(s): MAT 121 and MAT 122, with grade of C or better, or assessment. Five credits.

**MAT 202 | Calculus II**

Continuation of single variable calculus, which will include techniques of integration, polar coordinates, analytic geometry, improper integrals, and infinite series. This course is a state guaranteed transfer course GT-MA1. Prerequisite(s): MAT 201 with grade of C or better, or assessment. Five credits.

**MUS 120 | Music Appreciation**

Covers the basic materials of music, musical forms, media, genres and musical periods. Emphasizes the development of tools for intelligent listening and appreciation. This course is a state guaranteed transfer course GT-AH1. Three credits.

**MUS 122 | Music History: Romantic-Present**

Studies the various periods of music history with regard to the composers, aesthetics, forms, and genres of each period. Considers music from the early Romantic period to the present. This course is one of the Statewide Guaranteed Transfer courses. GT-AH1. Three credits.

**POS 111 | American Government**

Includes the background of the U.S. Constitution, the philosophy of American government, general principles of the Constitution, federalism, and civil liberties. Examines public opinion and citizen participation, political parties, interest groups, and the electoral process, and the structure and functions of the national government. This course is a statewide guaranteed transfer course GT-SS1. Three credits.

**PSY 101 | General Psychology I**

Focuses on the scientific study of behavior including motivation, emotion, physiological psychology, stress and coping, research methods, consciousness, sensation, perception, learning and memory. This course is a state guaranteed transfer course GT-SS3. Three credits.

**PSY 102 | General Psychology II**

Focuses on the scientific study of behavior including cognition, language, intelligence, psychological assessment, personality, abnormal psychology, therapy, life span development, and social psychology. This course is a state guaranteed transfer course GT-SS3. Three credits.

**SOC 101 | Intro to Sociology I**

Examines the basic concepts, theories, and principles of sociology as well as human culture, social groups, and the social issues of age, gender, class, and race. This course is a state guaranteed transfer course GT-SS3. Three credits.

**SOC 215 | Contemporary Social Problems**

Explores current social issues that result in societal problems. It focuses on such issues as civil liberties, gender discrimination, substance abuse, crime, poverty, and social change. This course is a statewide guaranteed transfer course GT-SS3. Three credits.

**SPA 111 | Spanish Language I**

Deals with the development of functional proficiency in listening, speaking, reading and writing the Spanish language. Note: The order of the topics and methodology will vary according to individual texts and instructors. Five credits.

**SPA 112 | Spanish Language II**

Continues Spanish Language I in the development of functional proficiency in listening, speaking, reading and writing the Spanish language. Note: The order of the topics and the methodology will vary according to individual texts and instructors. Prerequisite(s): SPA 111 with a grade of C or better or permission of instructor. Five credits.

**SPA 211 | Spanish Language III**

Continues Spanish Language I and II in the development of increased functional proficiency in listening, speaking, reading and writing the Spanish language. Note: The order of the topics and the methodology will vary according to individual texts and instructors. SPA 211 and SPA 212 can be taken out of sequence. Prerequisite(s): SPA 112 with a grade of C or better or permission of instructor. This course is a statewide guaranteed transfer course GT-AH4. Three credits.

**SPA 212 | Spanish Language IV**

Continues Spanish Language I, II and III in the development of increased functional proficiency in listening, speaking, reading and writing the Spanish language. Note: The order of the topics and the methodology will vary according to individual texts and instructors. This course is one of the Statewide Guaranteed Transfer courses GT-AH4. Three credits

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