LEADING EDGE ACADEMY

Gilbert Early College

Course Description Book

2021-2022

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For detailed information on school policies and procedures, please see the Leading Edge Academy Gilbert Early College Student Handbook, available at https://leadingedgeacademy.com/Documents/GECHandbook.pdf.

Leading Edge Academy Gilbert Early College – Graduation Requirements
ARIZONA UNIVERSITY ENTRANCE REQUIREMENTS

Curriculum Area	Leading Edge Academy Gilbert Early College Graduation Requirements	Arizona University Entrance Requirements
English	4 credits	4 credits
Math	4 credits	4 credits
Science	3 credits	3 Lab Science credits Must include at least three of the four areas: Chemistry, Physics, Earth and Biological sciences.
Social Studies	3 credits	2 credits
Physical Education	1 credit	0 credits
CTE/Fine Arts	1 credit	1 CTE or Fine Arts credit Students must complete one credit of Fine Arts from the following areas: music, art, theater, or dance OR one credit of CTE from the same program area.
Electives	5 credits	0 credits
World Languages	2 credit	2 credits Students must complete two years of the same language.
Total Credits Required	**23 credits**	**16 credits**
	Beginning with Cohort 2017, students must obtain a passing score in the American Civics Exam and pass a CPR course to graduate.	*SAT or ACT may be required. Contact the college or university of your choice for specific entrance requirements, including GPA, rank or test scores.*

Students are required to earn no less than **23 credits** in the following subject areas:

- **English** (4 credits) – This requirement will be met by completing one credit each of English 9, English 10, English 11 and English 12. ENG101 AND ENG102 (CGCC) may also be used to satisfy the requirement for English 12.
- **Math** (4 credits) – The requirement will be met by earning four credits in math, one of which must be Algebra II or complete a math personal curriculum plan.
- **Social Studies** (3 credits) – This requirement will be met by completing one credit of World History, one credit of US/Arizona History, one-half credit of Economics, and one-half credit of US/Arizona Government.

- **Science** (3 credits) – This requirement will be met by earning three credits in science, one of which must be Lab Biology.
- **Physical Education** (1 credit) – This requirement is met by successfully completing one credit of Physical Education.
- **Career and Technical Education (CTE) or Fine Arts** (1 credit) – This requirement will be met by completing one credit in either CTE or Fine Arts. Courses taken at EVIT will meet the CTE requirement.
- **Electives** (5 credits) – This requirement will be met by completing any five credits of elective course offerings. A maximum of one unit of elective will be allowed for teacher aide, office assistant, and other programs of this type.
- **World Languages** (2 credit) – This requirement will be met by completing a world language course. Students completing Arizona university entrance requirements must complete two consecutive years of the same language.

NATIONAL COLLEGIATE ATHLETIC ASSOCIATION – NCAA

Please check with the NCAA campus advisor for information regarding NCAA academic requirements or visit www.eligibilitycenter.org. *NOTE: Credit Recovery Courses do not meet NCAA academic requirements. Student athletes must meet with the school academic advisor to ensure they are enrolled in the correct courses.*

HIGH SCHOOL CORE COURSE PROGRESSION (SAMPLE)

Freshman Year:	Junior Year:
English	English
Math	Math
Science	Science
	Social Studies
Sophomore Year:	**Senior Year:**
English	English
Math	Math
Social Studies	Science
Science	Social Studies

Students must obtain a passing score on the American Civics Exam and CPR course to graduate.

EDUCATION AND CAREER ACTION PLAN (ECAP)

An ECAP reflects students' current plan of coursework, career aspirations, and extended learning opportunities. The ECAP helps students personalize their education and enables them to maximize the opportunities available upon high school graduation.

All students in grades 9-12 shall complete an ECAP prior to graduation. Students shall develop an ECAP in consultation with their parent or guardian and their counselor. LEA students develop ECAP's in accordance with State Board Rule #R7.2-302.5 (www.azed.gov/ecap).

CAREER RESOURCES

An academic advisor is available to provide information to help students make wise and mature decisions about their futures. Information and assistance is provided in the following areas: career information, college entrance requirements, trade and technical school options, financial aid resources, military contacts with recruitment personnel, special programs and youth employment opportunities.

ENROLLMENT REQUIREMENTS

High school students must enroll in the minimum number of LEA GEC credit-bearing courses per semester as required by LEAD Charter School policy. Eligible high school students may enroll in a combination of school and dual enrollment courses.

FEES/EXPENSES

Please see course descriptions for specific fee and expense information. Fundraising, tax credits and donations may help to defray the cost of participating in extracurricular activities. Fees and expenses listed will furnish sufficient resources to successfully complete the required course activities. Students may contact the school administrator to request a reduction/waiver of course fees.

GRADES

LEA maintains a continuous system for informing parents of the status of their student's progress in a course. THE SEMESTER GRADE IS THE ONLY GRADE POSTED ON THE CUMULATIVE RECORD CARD (TRANSCRIPT).

A=Work of excellent quality
B=Above average work
C=Average work
D=Below average work
F=Failing work, no credit

E=Excellent
S=Satisfactory
N=Needs improvement
U=Unsatisfactory, no credit
P=Non-competitive grade
I=Incomplete*
W=Withdraw**

* An Incomplete grade must be made up within three (3) weeks or it becomes an "F." A "W/F" is the equivalent of an "F."

**A student may withdraw from a course without a failing grade (F) if they have completed less than 50% of the course content.

Grade Clarification:

· A passing grade shall be determined on a cumulative basis, from the beginning of instruction to the recording of a transcript grade.

· Withdraw/Fail (W/F) grades and grades received in all other courses for which the student is responsible will be used in determining a student's GPA.

Grading Scale:

Percentage	Letter Grade	Grade Points	Honors Courses/Weighted Courses
97-100 93-96 90-92	A+ A A-	4.0 4.0 4.0	5.0
87-89 83-86 80-82	B+ B B-	3.0 3.0 3.0	4.0
77-79 73-76 70-72	C+ C C-	2.0 2.0 2.0	3.0
67-69 65-66	D+ D	1.0 1.0	1.0 1.0
0-64	F	0	0

English Language Arts Course Descriptions

Course Information	Course Description
English 9 **Prerequisite(s): None** **Credit 1**	This course will integrate reading, writing, speaking, listening and language skills using a thematic based approach. All students are taught strategies to effectively read both fiction and nonfiction and respond through varied writing activities. ***This is a year-long course.***
English 10 **Prerequisite(s): English 9** **Credit 1**	This course will emphasize the universal themes in world and multicultural literature with an emphasis on critical reading skills. The writing skills of drafting, revising, and proofreading will be emphasized. This course will help prepare students for college-level writing. ***This is a year-long course.***
English 11 **Prerequisite(s): English 9, 10** **Credit 1**	This course will cover American themes, authors, and literary movements with an emphasis on combining analytical thinking skills with essay writing. This course will provide writing assistance to ECCP participants. ***This is a year-long course.***
English 12 **Prerequisite(s): English 9, 10, 11** **Credit 1**	This senior-year English course will cover advanced composition that includes descriptive, expository, analytical, and argumentative writing along with critical analysis of literature and vocabulary development. ***Students who do not take ENG 101 or ENG 102 are required to take this course both semesters of their senior year.***

Math Course Descriptions

Course Information	Course Description
Algebra 1 **Prerequisite(s): None Credit 1**	This course will focus on linear, quadratic, and exponential functions, including sequences, and also explore absolute value, and piecewise-defined functions. Students will develop fluency writing, interpreting and comparing functions given graphically, numerically, symbolically, and verbally and use them to solve problems. Students will also explore a formal means of assessing how a model fits data. ***This is a year-long course.***
Geometry **Prerequisite(s): Algebra 1** **Credit 1**	This course will focus on the study of congruence, similarity, right triangle trigonometry, circles, expressing geometric properties with equations, coordinate geometry, geometric measurement and dimension, and conditional probability with an emphasis on real-world modeling contexts. Concepts will be developed through investigation of rigid and non-rigid transformation, constructions, and proof. ***This is a year-long course.***
Algebra 2 **Prerequisite(s): Algebra 1, Geometry** **Credit 1**	This course will extend algebraic and geometric concepts and apply these to polynomial, radical, rational, exponential with real exponents, logarithmic, and trigonometric functions, as well as piecewise defined functions. Students will continue to develop fluency in writing, comparing, solving (including complex solutions), and interpreting problems represented by the above function families as well as explore the effects of transformations on their graphs. Students will examine data on two quantitative variables to choose functions and make conclusions in context of the data. ***This is a year-long course.***
Advanced Math **Prerequisite(s): Algebra 1, Geometry, Algebra 2** **Credit 1**	This course will cover analysis and interpretation of the behavior and nature of functions including polynomial, rational, exponential, logarithmic, power, and piecewise defined functions, as well as solving systems of equations, with an emphasis on modeling and solving real world problems. In addition, it will include a study of measures of angles, properties of graphs of trigonometric functions, fundamental identities, addition and double-angle formulas, inverse trigonometric functions, solutions of trigonometric equations, complex numbers, properties of triangle solutions, and conics. ***This is a year-long course.***

Science Course Descriptions

Course Information	Course Description
Earth Science **Co/Prerequisite(s): None** **Credit 1**	This course will discover and explain natural phenomena on Earth and in space through chemistry and physics concepts. Major topics include astronomy, geology, weather, and map reading. ***This is a year-long course.***
Biology **Co/Prerequisite(s): None** **Credit 1**	This course will be a study of living organisms and their interactions with each other and their environment. Topics will include cells, molecular basis of heredity, biological evolution, matter, energy and organization of living systems, comparative anatomy/biodiversity, and factors of reaction rates. ***This is a year-long course.***
Chemistry **Co/Prerequisite(s):** **Algebra 2** **Credit 1**	This course will examine general inorganic chemistry for the university-bound student. Experimental method and critical thinking will be emphasized. ***This is a year-long course.***
Physics **Co/Prerequisite(s):** **Advanced Math** **Credit 1**	This course will use math to discover and explain natural phenomena. Topics will include kinematics, forces, energy, momentum, electricity and waves. This course will also integrate basic chemistry and earth and space concepts into investigations. ***This is a year-long course.***
Marine Science **Co/Prerequisite(s): None** **Credit .5**	This course will address the history and physical characteristics of the ocean. Topics will include bathymetry, sea floor spreading, life cycle of an island, winds and the Coriolis effect, water chemistry and salinity. Other areas of focus will include the ecology of ocean zones and communities. Organisms will be explored through microscopy, dissection, and modeling. ***This is a semester-long course.***
Environmental Science **Co/Prerequisite(s): None** **Credit .5**	This course will examine ecology and the environment, and will integrate chemistry and physics topics. Topics will include endangered species, populations, environmental health, pollution, alternative energy sources, and new technologies. ***This is a semester-long course.***

Social Studies Course Descriptions

Course Information	Course Description
World History **Co/Prerequisite(s): None** **Credit 1**	This course will emphasize global connections from the 15th century to the present. The course will examine historical events through a well-balanced approach, connecting the Eastern and Western Hemispheres. Course content includes, but is not limited to: belief systems; interregional interactions; revolutions (political, social, and economic); the rise of modern nation-states; global conflicts; and contemporary global issues. Because inquiry is the cornerstone in the study of history and the social sciences, students will develop and utilize skills in the same context as historians and social scientists. These skills will include analyzing primary and secondary sources, reasoning and contextualization, causation, continuity and change over time, and argumentation. ***This is a year-long course.***
US/AZ History **Co/Prerequisite(s):** **World History** **Credit 1**	This course will examine United States History, beginning with its foundation to the present. Course content includes: the American Revolution and the birth of the nation; nation building and sectionalism; Civil war and Reconstruction; the emergence of modern America; the Great Depression and WWII; post-war United States; and contemporary United States. Because inquiry is the cornerstone in the study of history and the social sciences, students will develop and utilize skills in the same context as historians and social scientists. These skills will include analyzing primary and secondary sources, reasoning and contextualization, causation, continuity and change over time, and argumentation. ***This is a year-long course.***
Government **Co/Prerequisite(s):** **US History** **Credit .5**	This course will introduce to the institutions and practices of the American systems of government. Course content includes: the foundation of American government; government structure; national institutions; the law-making process; media, interest groups, and political parties; media literacy; elections and voting; citizenship; civil liberties and civil rights; American political culture; public policy; and foreign policy. Because inquiry is the cornerstone in the study of history and the social sciences, students will develop and utilize skills in the same context as historians and social scientists. These skills will include analyzing primary and secondary sources, reasoning and contextualization, causation, continuity and change over time, and argumentation. Emphasis will also focus on interpreting and analyzing data sets, such as tables, charts, graphs, maps, and infographics. ***This is a semester-long course.***
Economics **Co/Prerequisite(s):** **Government, US History** **Credit .5**	This course will prepare the student for decision-making within the American Marketing System. Course content includes: financial literacy; personal finance; economic reasoning; economic systems; exchange and markets; the national economy; and the global economy. Because inquiry is the cornerstone in the study of history and the social sciences, students will develop and utilize skills in the same context as historians and social scientists. These skills will include analyzing primary and secondary sources, reasoning and contextualization, causation, continuity and change over time, and argumentation. Emphasis will also focus on interpreting and analyzing data sets, such as tables, charts, graphs, maps, and infographics. ***This is a semester-long course.***

Language Course Descriptions

Course Information	Course Description
Spanish 1 **Co/Prerequisite(s): None** **Credit 1**	This course will be an introduction to the Spanish language and culture. It is designed to give students the basic foundation of the three language modes of communication: interpretive, interpersonal and presentational. The students develop a fundamental vocabulary base as well as the building blocks of basic grammar concepts in order to communicate in a variety of familiar settings. The concepts will be taught through a variety of cultural themes, authentic resources and instructional techniques. ***This is a year-long course.***
Spanish 2 **Co/Prerequisite(s): Spanish 1** **Credit 1**	This course will continue to develop language skills in the three areas of communication: interpretive, interpersonal and presentational. These skills will be developed through a variety of cultural themes. Also, a variety of instructional techniques and authentic sources will be used in order to provide students with many opportunities to learn and practice the language. Students will be expected to participate in Spanish daily in order to develop their language skills. By the end of level II, students will be able to communicate in Spanish about a variety of topics. ***This is a year-long course.***
American Sign Language (ASL) 1 **Co/Prerequisite(s): None** **Credit 1**	This course is an introductory class in which students will develop vocabulary and grammatical skills in the context of purposeful real-life communicative interactions. Students will become proficient in such everyday tasks as introducing themselves or a friend, telling about their activities, asking questions and exchanging information, and describing people, places and things. Through reading, discussion, Internet exploration, and video clips, students will develop an understanding of cultural differences. ***This is a year-long, online course.***
American Sign Language (ASL) 2 **Co/Prerequisite(s): ASL 1** **Credit 1**	This course will have students expand vocabulary, grammar and the contexts in which they can interact in culturally appropriate ways. Students will accomplish more abstract communicative tasks such as comparing, evaluating, giving and supporting an opinion or hypothesizing. New language functions will be introduced and practiced within the context of real-life situations. Authentic materials, video clips, reading and discussion will continue to broaden awareness of and respect for differences and similarities between cultures. ***This is a year-long, online course.***

Fine Arts Course Descriptions

Course Information	Course Description
Printmaking **Co/Prerequisite(s): None** **Credit .5**	A comprehensive look at the history and application of mass producing art through print. Students will create linoleum carvings, reduction prints, mono prints, marbled and handmade paper and cap it all off with a custom silk screened print. ***This is a semester-long course. 11"x14" (98lbs. paper) Notebook Required***
3D Sculpture **Co/Prerequisite(s): None** **Credit .5**	Students will study the process of adding depth and dimension to their work. Students will create topographic animals, larger-than-life Pop Art objects and wire and plaster mini sculptures and much more. ***This is a semester-long course. Course fee***
Advanced Drawing Techniques **Co/Prerequisite(s): None** **Credit .5**	Drawing is so much more than just pencil and paper. Students will explore the art mediums of charcoal, graphite, watercolor pencils and oil pastels. Students will also explore surrealism, pointillism, geometric drawings and create a hyper realistic triptych graphite drawing. ***This is a semester-long course. 11"x14" (98lbs. paper) Notebook Required***
Advanced Painting Techniques **Co/Prerequisite(s): None** **Credit .5**	Students will explore watercolor, wax resist, acrylic and oil painting techniques. Students will learn color blending and theory, brush styles and paint strokes and application while creating several different projects. ***This is a semester-long course. Must purchase canvases from teacher, range $3-$10 in price.***
Ceramics **Co/Prerequisite(s): None** **Credit .5**	Students will create advanced hand building clay projects using coil, slab, and attachment techniques. All pottery will be fired in a kiln and finished with a glaze application. ***This is a semester-long course. Course fee***
Stained Glass **Co/Prerequisite(s): None** **Credit .5**	Students will learn the history of beautiful colored glass and window making while creating a copper foil sun catcher and leaded stained glass window. ***This is a semester-long course. Course fee $40.***
Hand Lettering and Calligraphy **Co/Prerequisite(s): None** **Credit .5**	Students will study and master the art of calligraphy, create a leather journal and study the elements and principles of hand lettering and typography while creating several custom hand lettered posters. ***This is a semester-long course. 11"x14" (98lbs. paper) Notebook Required***
Set Design **Co/Prerequisite(s): None** **Credit .5**	Students will learn the art of stagecraft while working with the performing arts department to bring the annual musical to life. ***This is a semester-long course and is only offered in the spring.***
Textile Art and Sewing **Co/Prerequisite(s): None** **Credit .5**	Students will learn the practical life skill of hand and machine sewing while exploring textile and fiber arts. Students will learn how to budget and source fabrics while creating their own fiber wall art, pillow case, zipper pouch, pajama pants and blanket. ***This is a semester-long course. Course fee $20 plus fabric purchase***

Fine Arts Course Descriptions Continued

Course Information	Course Description
Theater Production **Co/Prerequisite(s): None** **Credit .5**	The focus of this class involves the production of the school theatrical productions. Students will work behind the scenes on all aspects of the school's productions including; publicity, set design/ construction, costume design/construction, lighting, sound, makeup, and props as well as stage management and direction. 1st Semester we will produce The Fall Variety Show and Holiday Fine Arts Night. ***This is a semester-long course and is only offered in the fall.***
Performing Arts **Co/Prerequisite(s): None** **Credit .5**	This is a Performance based class. The focus of this class involves performance opportunities for the Fall Variety Show and Holiday Fine Arts Night. Students will develop their acting, singing and dance technique. If a student shows dedication in class and performances, they will gain priority for bigger roles. 1st Semester we will combine Jr. High and High School Performing Arts for these events. ***This is a semester-long course. Spring participation is dependent on casting in spring performance.***
Vocal Ensemble **Co/Prerequisite(s): None** **Credit .5**	This is a Performance based group. 1st Semester we will sing everything from Jazz to Holiday Music. Students will learn to harmonize and sing as a part of an Ensemble, as well as a Soloist. If a student shows dedication in class and all performances, there will be more opportunity for Solo work. Vocal Ensemble will perform a variety of programs throughout the school year, sometimes partnering with the Jr. High Chorus. ***This is a semester-long course.***
Ukelele **Co/Prerequisite(s): None** **Credit .5**	mr-womack/hs-ukelele This is a Performance based group. ***This is a semester-long course.***
Modern Band **Co/Prerequisite(s): None** **Credit .5**	mr-womack/hs-modern-band This is a Performance based group. ***This is a semester-long course.***
AVL Co/Prerequisite(s): None Credit .5	mr-womack/hs-a-v-l This is a Performance based group. ***This is a semester-long course.***
Drumline **Co/Prerequisite(s): None** **Credit .5**	This is a Performance based group. Our Drum Ensemble will perform several times throughout the school year in combination with our Junior High Band. Students through the course of the school year will learn how to read music, rhythms and rudiments. Students will also have the opportunity to learn the basics of drumming technique and performance. We will learn how to play bucket drums, traditional concert percussion along with vocal rhythmic patterns. ***This is a semester-long course.***

General Elective Course Descriptions

Course Information	Course Description
Physical Education (PE) **Co/Prerequisite(s): None** **Credit .5**	Students will experience a variety of sports while learning the history of the sport and rules. While learning the various sports, students will explore athletes of all abilities and how athletic competitions assist in people achieving their personal goals. Students will also learn various training styles to promote a healthy lifestyle. ***This is a semester-long course. $20 course covers required uniform purchase.***
Athletic Performance (AP) **Co/Prerequisite(s): None** **Credit .5**	Students will learn the fundamental movements required for resistance training. This class will be for those who desire to improve their physical fitness. Resistance training has been demonstrated to assist in preventing injuries while competing in sports. Students will also learn and experience a various assessment of training styles to promote a healthy lifestyle. Students will also learn basic anatomy, sports nutrition, and how to properly program design. ***This is a semester-long course. $20 course fee covers required uniform purchase.***
Journalism **Co/Prerequisite(s): None** **Credit .5**	Students will learn about all aspects of journalism including professionalism, ethics, what it means to be a journalist, interviewing etiquette and techniques, etc. Students will also learn how to create, design, write, and publish a school newspaper. ***This is a semester-long course.***
Tolkien Literature **Co/Prerequisite(s): Letter of Recommendation** **Credit .5**	This Honor's elective class will explore the world of Middle Earth! Students will be expected to read The Lord of the Rings trilogy over the course of the year. We will also sample Tolkein's influences on the trilogy, such as Norse mythology and the iconic Beowulf poem. Classwork and projects will include essays, class presentations, film viewings, Socratic discussions and creative assignments. ***This is a semester-long course.***
ACT/SAT Test Prep **Co/Prerequisite(s): None** **Credit .5**	Students enrolled in the test prep course will become more familiar with strategies, skills and timing to better prepare for standardized tests such as the SAT and ACT. Each week students will focus on a unique test strategy using specific practice questions where this strategy may be an effective tool. Additionally, each week, students will focus on improving their skills with and without the use of a calculator for a particular math concept. Students will be given the opportunity to complete practice tests, or portions thereof, in the designated time frame to get a better reference for the time allotted on each portion of the test. Practicing in the given time frame will help students to better pace themselves on the actual test. ***This is a semester-long course.***
Math Lab **Co/Prerequisite(s): None** **Credit .5**	The Math Lab provides tutorial, remedial, and enrichment services for students who are identified as needing this support. ***This is a semester-long course. (Assigned by Administration)***

General Electives Course Descriptions Continued

Course Information	Course Description
Intro to Japanese Culture **Co/Prerequisite(s): None** **Credit .5**	Japanese is an elective course in which students will study the language and the culture of Japan. This course will cover writing Japanese, speaking greetings and basic sentences using common nouns, verbs, and adjectives, and being introduced to various aspects of the culture of Japan. ***This is a semester-long course. Course fee $20.***
Japanese Culture Intermediate **Co/Prerequisite(s): Intro to Japanese Culture** **Credit .5**	Japanese is an elective course in which students will study the language and the culture of Japan. This course will cover writing Japanese, speaking greetings and basic sentences using common nouns, verbs, and adjectives, and being introduced to various aspects of the culture of Japan. We will be learning the two 'alphabets' of Japan as well as some characters of Kanji, the logographic characters. We will be introduced to Japanese folktales, shodo, traditional games of Japan, Japanese tea ceremony, and other aspects of the culture of Japan. ***This is a semester-long course. Course fee $20.***
Yearbook **Co/Prerequisite(s): Application** **Credit 1**	Course will focus on the planning and production of the yearbook. Students will take photos, design pages, and be a part of the overall design of the yearbook, as well as responsible for yearbook sales. This is a yearlong course and students enrolled in the fall semester will automatically be enrolled for the spring semester. This course will NOT take any new students for the spring semester. ***This is a year-long course.***
Mobile Apps Beginner **Co/Prerequisite(s): None** **Credit 1**	The Mobile Apps class serves as an introduction and gives the student a broad exposure to mobile application development. The students will acquire knowledge and skills related to mobile apps through project-based learning. This program is designed to develop problem-solving, critical-thinking, research, documentation, and development of real-world applications utilizing collaborative learning center stations. The second semester of this class will concentrate on learning to code mobile app designs into operational mobile apps. ***This is a year-long course. Device insurance fee required. Device insurance will be refunded at end of course.***
Mobile Apps Intermediate **Co/Prerequisite(s): Mobile Apps Beginner** **Credit 1**	This Mobile Apps class serves as a continuation of the Mobile Apps Beginner course and gives the student a more detailed experience within mobile application development. The students will acquire more detailed knowledge and skills related to mobile apps through project-based learning. This program is designed to continue their problem-solving, critical-thinking, research, documentation, and development of real-world applications utilizing collaborative learning center stations. Student teams will have the opportunity to participate in mobile app design within National STEM based app challenges. ***This is a year-long course. Device insurance required. Device insurance will be refunded at end of course.***

General Electives Course Descriptions Continued

Course Information	Course Description
Mobile Apps Advanced **Co/Prerequisite(s): Mobile Apps Beginner , Intermediate** **Credit 1**	This Mobile Apps class serves as a continuation of Mobile Apps Intermediate course. This class is the capstone experience that gives the student an opportunity to work in an internship experience. This class gives the student the most detailed experience within mobile application development. The students will acquire real world knowledge and skills related to mobile apps through project-based learning. The student will acquire knowledge in the design and programming of advanced User Interface (UI) and User Experience (UX) through the use of video and graphics (3D / 2D) software used in mobile app development. This program is designed to continue their problem solving, critical-thinking, research, documentation, and development of real-world applications utilizing collaborative learning center stations. Student teams will have the opportunity to participate in mobile app design within National STEM based app challenges. The capstone project delivery will include software versioning and development documentation (charts etc.) from testing, working prototype(s), market research, plan for execution of final version, and mobile app distribution. ***This is a year-long course. Device insurance required. Device insurance will be refunded at end of course.***
Psychology **Co/Prerequisite(s): None** **Credit .5**	Have you ever wondered why humans act the way they do, why we dream, or what causes psychological disorders? This is an introductory course that broadly covers several areas of psychology. Students will learn about human development and behavior, explore why we act the way we do, learn about psychological disorders and discuss the roles of nature and nurture on our behaviors. ***This is a semester-long course.***
Anthropology **Co/Prerequisite(s): None** **Credit .5**	In this course we will focus on the study of humanity and culture. This introductory course will cover human physical variation and adaptations, comparisons of cultures, social and cultural aspects of language, and applying anthropological methods to solve practical problems. This is a great course if you are interested in learning more about people, society, and culture. ***This is a semester-long course.***
Movies & Literature 1 **Co/Prerequisite(s): None** **Credit .5**	This English elective course will cover three novels and the corresponding movies. Students will discuss themes, characters, setting (and issues relating to the time period), etc. Students will compare and contrast the book to movie for each book. This course will cover The Help by Kathryn Stockett, Unbroken by Laura Hillenbrand, and Wonder by R. J. Palacio. ***This is a semester-long course.***
Movies & Literature 2 **Co/Prerequisite(s): Movies & Literature 1** **Credit .5**	This course will cover three novels and some short stories and the corresponding movies. Students will discuss themes, characters, setting (and issues relating to the time period), etc. Students will compare and contrast the book to movie for each book. This course will cover The Princess Bride by William Goldman, fairy tales, The Lone Ranger and Tonto Fistfight Heaven/Smoke Signals by Sherman Alexie, the true stories of Native American Code Talkers, and Hidden Figures: the American Dream and the Untold Story. . . by Margot Lee Shetterly. ***This is a semester-long course.***

General Elective Course Descriptions Continued

Course Information	Course Description
Forensics **Co/Prerequisite(s): Biology** **Credit .5**	This course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. ***This is a semester-long course.***
Anatomy & Physiology **Co/Prerequisite(s): Biology** **Credit .5**	This course will focus on the structure and function of the human body. Topics include an in-depth exploration of the organ systems and mechanisms for maintaining homeostasis. Careers in the medical and healthcare fields are also investigated. ***This is a semester-long course.***
Student Council **Co/Prerequisite(s): None** **Credit 1**	Course is designed to develop the leadership skills of students through planning school events and developing the Spartan community. **Students elected to Student Council will automatically be registered for this course.**
Character & Leadership **Co/Prerequisite(s): None** **Credit 1**	Students will learn positive traits of good leaders. Students will learn about positive role models and successful people. Students will also discuss ethics and morals. ***This is a year-long course and is a LEA requirement.***
Introduction to Speech **Co/Prerequisite(s): None** **Credit .5**	Students will start by building a strong foundation in the elements, principles, and characteristics of human communication. From this foundation students will explore topics such as self-knowledge and self-perception, and public speaking. Students will demonstrate an understanding and application of the techniques used in formal public speaking including listening skills, speech preparation, and research methods. Activities involve preparing speeches to inform, entertain, and persuade as well as panel discussions and oral interpretation of literature. ***This is a semester-long course.***
Competitive Speech **Co/Prerequisite(s):** **Intro to Speech** **Credit .5**	This class is a class focused on participation in the National Speech and Debate Association. All students enrolled in this course will be members of GEC's competitive speech team and will be expected to prepare for and attend tournaments at which the team is competing. Students will explore the many different speech styles they may compete with including informative speaking, original oratory, and oral interpretation while learning techniques in brainstorming, research, revision, and memorization. Students will also learn to appropriately evaluate and critique the performances of other competitors. ***This is a semester-long course.***

EARLY COLLEGE AND CAREER PROGRAM (ECCP)

High school credit may be granted to students who satisfactorily complete college courses. Students must apply for the ECCP and complete the program requirements if they wish to receive high school credit.

LEA GEC has a partnership with Chandler Gilbert Community College (CGCC) and the East Valley Institute of Technology (EVIT).

CHANDLER GILBERT COMMUNITY COLLEGE (CGCC)

CGCC is a community college in the Maricopa County Community College system. Students may enroll in select courses either in-person or online at CGCC as a part of the ECCP. Please meet with the school academic advisor for CGCC enrollment and credit information.

EAST VALLEY INSTITUTE OF TECHNOLOGY (EVIT)

EVIT is a public, joint technological education district (JTED) that serves students in the East Valley. Students spend a half-day at EVIT in a technological program and the other half-day at their high school. 11th and 12th grade students can attend tuition-free, if they have met the class prerequisites. Please meet with the school academic advisor for EVIT enrollment and credit information.