

Pathways 2023-2024



Dear LHS Students and Parents:

Pathways is a booklet designed to provide you with the necessary information on the curriculum offered at La Grange High School. The following pages contain general scheduling information, course descriptions, and graduation requirements. When looking at course descriptions, please pay special attention to grade level requirements, prerequisites, course requirements, and grading scales.

Students, along with their parents/guardians are encouraged to make course selections carefully. School personnel are available to discuss courses of study with students and/or parents. Additionally, the school counselor has materials and information on requirements of various colleges, college entrance exams, scholarship programs, vocational trades, armed forces, and other related material.

In addition to obtaining the necessary credits, students must also meet set standards on state accountability exams in the four core areas (English Language Arts, Mathematics, Science, and Social Studies). All LHS students are required to pass five End-Of-Course STAAR Exams to graduate. The exams include: English I, English II, Biology, Algebra I, and U.S. History. Exams are administered in the spring semester of the year in which the student is enrolled in a corresponding course.

All students entering high school must declare an endorsement distinction from one of five state approved endorsement programs. La Grange ISD is proud to offer all five endorsement disciplines to our students. The sequence of courses needed to achieve an endorsement are listed in the Pathways document.

Please read this booklet carefully. Graduation requirements make it very important for students and parents to select courses carefully. Students are highly encouraged to consult their four year plan and the graduation plans listed within Pathways in order to determine when a class should be taken and that all necessary graduation requirements are met.

Without parental support, the quality of education provided to students in this community would not be possible. We will continue to do everything within our power to ensure that all students attending LHS have a positive high school experience. If we can be of any assistance to you, please do not hesitate to contact us.

Sincerely,

John Pineda

La Grange HS Principal

La Grange High School

General Information

La Grange High School operates on a semester scheduling system with seven (7) classes per school day. One year's work provides one credit in each course or a maximum total of seven (7) credits per school year. Additional credits may be earned through Texas Virtual School Network, credit-by-exam, correspondence courses, or college courses taken for dual credit.

Advanced Placement Course Expectations

Advanced Placement courses help students find and pursue their unique direction, connecting directly to a wide variety of college majors and careers. These challenging classes emphasize collaboration and support in exploring a subject deeper. The courses require a significant commitment from students to participate in the learning process throughout the school year with projects often requiring considerable time outside of school, often including summer study. Students build skills they will need throughout their college career like problem solving, critical analysis, time management, and study skills. The experiences in these demanding classes replicate the rigor of undergraduate coursework and prepare students to earn college credit through the College Board's AP exams. Due to the intensity and expectations of the Honors and AP courses, they are weighted more in a student's GPA.

Course Offerings

This Pathways booklet gives information on all the high school course offerings with grade placement, credit(s), prerequisites, and a brief course description. This booklet serves as an overview of students' requirements for graduation. This booklet also outlines procedures for changing courses and possible consequences of changes.

A wide variety of electives, basic to career and/or college preparation can be found in the courses offered.

Grade Classification Standards Criteria

Grade 9 – Promotion from Middle School

Grade 10 – 6 credits toward state graduation requirements

Grade 11 – 12 credits toward state graduation requirements

Grade 12 – 18 credits toward state graduation requirements

Course Selection and Request for Changes

Students will select courses for the next school year during the spring semester. Factors that a student and his/her parent/guardian should consider in selecting courses are:

- requirements for graduation;
- significance of the course to the student's overall program and educational/career goals;
- purpose of the course; or
- possible prerequisite for other courses.

Schedule Changes

Selection of courses should be considered very carefully between the student and the parent/guardian. All requests for elective schedule changes must be submitted in writing prior to **May 25, 2023**. The following guidelines will be used in honoring schedule change requests after that date:

- 1.) Changes will be made in Advanced Placement (AP) and Honors courses during the first six weeks of the fall semester for the following reasons only:
The student
 - does not meet prerequisites for the course;
 - already has credit in the course;
 - is placed at an inappropriate level.
- 2.) After approval from the coach or band director, a student may withdraw from athletics or band at any time, but, in each case, he/she will be assigned to a regular physical education class.

Consequences of Changes

If a student withdraws from a course during the first six weeks of either semester for the reasons listed above, the course will not be shown on the student's transcript. Students withdrawing from a course after the first six weeks will receive no credit for the course.

End of Course (EOC) Enrichment Program

Any freshman, sophomore, or junior student who fails any section of the EOC exams will automatically be scheduled into mandatory EOC Enrichment Time for the subject area failed. The classes will begin as determined by the testing schedule and will be held Monday – Friday of each school week until the EOC Retests are given. This enrichment program will also include mandates of HB4545. High school counselors will work with students and parents on requirements through this mandate.

Texas Virtual School Network

The Virtual School Network (TX VSN) provides additional opportunities and options for dual credit students through online courses. TX VSN was authorized by the Texas Legislature in 2007 to provide online courses to students. Courses may be taken for credit recovery or advancement. Students may access courses anytime 24/7.

If you are interested in the possibility of taking an online course through the Texas Virtual School Network, please see the counselors for more details.

LANGUAGE ARTS

ENGLISH I (ENG1) {1100} (4.0) Cr. 1

Grade: 9

This course will consist of grammar and usage; PSAT/SAT preparatory vocabulary; a variety of literature, including short stories, plays, poetry, and nonfiction, and several writing types including, but not limited to, the development of the paragraph, informative writing, and expository essays. Critical reading skills and the research process will be introduced and explored. Basic writing skills will be reviewed with an emphasis on more sophisticated writing that will prime students for the state-mandated exam.

ENGLISH I HONORS (ENG1H) {1102} (6.0) Cr. 1

Grade: 9

This course is designed for students whose performance, self-motivation, and abilities significantly exceed standards for English I. This course includes independent reading and analysis of literature, development of higher-level critical thinking skills, and the use of the informative writing process. Course requirements will also include extensive vocabulary development. Summer and outside-of-class readings are components of the class, and students must be prepared to devote considerable time to this course. All novels chosen for study are found on the College Board Recommended Reading Lists. It is strongly recommended that students entering this course have passed all their STAAR Reading/English tests at the Meets or Masters level of proficiency.

ENGLISH II (ENG2) {1200} (4.0) Cr. 1

Grade: 10

Prerequisite: English I

This course will equip students to be more effective communicators in English by practicing and refining speaking, listening, reading, and writing skills. The course will consist of grammar and usage; PSAT/SAT preparatory vocabulary; a variety of world literature; and various writing types including the personal narrative, persuasive essay, informational text, expository essay, and formal research paper. Covered in literature will be short stories, plays, novel studies, poetry, and essays. Non-fiction content will emphasize informational and persuasive texts. Critical reading and basic writing skills will be reviewed, but more emphasis will be given to sophisticated writing that will prime students for the state-mandated STAAR English II exam and/or college.

ENGLISH II HONORS (ENG2H) {1202} (6.0) Cr. 1

Grade: 10

Prerequisite: English I

This course is designed for students whose performance, self-motivation, and abilities significantly exceed standards for English II. This course includes independent reading and analysis of literature, development of

higher-level critical thinking skills, and the use of the persuasive writing process. Course requirements will also include extensive vocabulary development. Summer and outside-of-class readings are components of the class, and students must be prepared to devote considerable time to this course. All novels chosen for study are found on the College Board Recommended Reading Lists. It is strongly recommended that students entering this course have passed their STAAR English I test at the Meets or Masters level of proficiency.

ENGLISH III (ENG3) {1300} (4.0) Cr. 1

Grade: 11

Prerequisite: English II

This course will consist of grammar and usage; SAT preparatory vocabulary; a variety of American literature; and various writing types including a personal narrative, argumentative essay, reflective writings, and a formal research paper. Short stories, plays, novels, and nonfiction texts will be read and analyzed. Critical reading skills will continue to be developed. Basic writing skills will be reviewed, but more emphasis will be given to sophisticated writing that will prime students for the work force and/or college.

ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION (ENGLISH III)

(APENGLAN) {1302} (6.0) Cr. 1

Grade: 11

Prerequisite: English II

This course is a college-level rhetoric course designed to prepare students for analytical, argumentative, and expository writing and to teach students the importance of these modes as a “basis of academic and professional communication, as well as the personal and reflective writing that fosters the development of writing facility in any context” (College Board). Students will use higher-level thinking skills to explore American literature and various nonfiction texts. Significant emphasis is placed on rhetorical analysis, which breaks down nonfiction works identifying the writer’s strategies and explains how those techniques create a persuasive effect. Writing in response to literature, vocabulary acquisition, and continued development of comprehension and critical thinking skills remain integral parts of the course. Enrolling students must be highly self-motivated because considerable time outside of class is necessary for success. Course requirements include summer readings and an accompanying project. The curriculum of this course has been approved by the College Board. Coursework prepares students for the Advanced Placement English Language and Composition Exam offered by the College Board in May. All novels chosen for study are found on the College Board Recommended Reading Lists. Advanced Placement English Language and Composition will allow students the opportunity to obtain college credit by achieving a score of 3, 4, or 5 on the Advanced Placement English Language and Composition Exam (*Check individual university requirements*). It is strongly recommended that students entering this course have passed their STAAR English I & II tests at the Meets or Masters level of proficiency.

****ENGLISH IV (ENG4) {1400} (4.0) Cr. 1**

Grade: 12

Prerequisite: English III

This course consists of grammar and usage; a variety of British literature; and various writing types, including the short story, poetry, definition essay, literary and rhetorical analysis essays, argument essay, and formal research paper. Poetry, plays, novels, short stories, and essays are explored. Critical reading skills continue to be developed. Basic writing skills are reviewed, but more emphasis is given to sophisticated writing that will prime students for the work force and/or college.

****ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION (ENGLISH IV)**

(APENGLIT) {1402} (6.0) Cr. 1

Grade: 12

Prerequisite: English III

This course involves concentrated studies in a curriculum built around literature, language, composition, and communication. Students will use higher-level thinking skills to explore world literature with an emphasis on fiction and poetry and the imaginative ways writers make meaning. Writing in response to literature, vocabulary acquisition, and development of critical thinking skills and comprehension through literary analysis (hallmarks of an Honors/AP English curriculum) remain the basis of the course. Students enrolling must be highly self-motivated and should possess an eagerness to investigate the nature of our language and literature as it has developed during the last fifteen hundred years. Course requirements include summer readings and an accompanying project. The curriculum of the course has been approved by the College Board. Coursework prepares students for the Advanced Placement Literature and Composition Exam offered by the College Board in May. All novels chosen for study are found on the College Board Recommended Reading Lists. Advanced Placement English Literature and Composition will allow students the opportunity to obtain college credit by achieving a score of 3, 4, or 5 on the Advanced Placement English Literature and Composition Exam (*Check individual university requirements*). It is strongly recommended that students entering this course have passed their STAAR English I & II tests at the Meets or Masters level of proficiency.

**** Available Option English IV Online Dual Credit {1408} (5.0) Cr. 1**

Grade: 12

JOURNALISM (JRNLSM) {1805} (4.0) Cr. 1

Grade: 10-12

Prerequisite: Teacher/Staff Approval Interview Required

Students enrolled in this course will be part of the Leopard Spots Yearbook staff and will contribute their writing and photography to the three yearbooks published annually. Students will write feature stories, captions, headlines, and subheads for the yearbook. They will learn how to plan, draft, and complete written compositions to deadlines, carefully examining their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English, according to the AP Style Guide. Students will become analytical consumers of media and technology to enhance their communication skills. Published work of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Journalism will learn journalistic traditions, research self-selected topics, write journalistic texts, and learn the principles of publishing.

ADVANCED JOURNALISM: YEARBOOK I (YBK1) {1801} (5.0) Cr. 1

Grade: 11-12

Prerequisite: Journalism course completed.

Teacher/Staff Approval Interview Required

Students apply the fundamentals of magazine journalism, graphic design, production, photography, sales, and marketing, by gathering information, photographing, writing, editing, selling, and producing the three yearbooks for LGISD - the LES, LMS, and LHS campuses. Students must complete the Journalism course before being accepted in Advanced Journalism: Yearbook 1.

ADVANCED JOURNALISM: YEARBOOK II (YBK2) {1802} (5.0) Cr. 1

Grade: 12

Prerequisite: Advanced Journalism; Yearbook I

Teacher/Staff Approval Interview Required

Students manage staff and lead the production of the three yearbooks for LGISD - the LES, LMS, and LHS campuses. Building on skills learned in the Journalism and Advanced Journalism Yearbook I courses, students will plan the yearbooks, manage staff as they gather information for these books, and help students sell yearbooks and advertising.

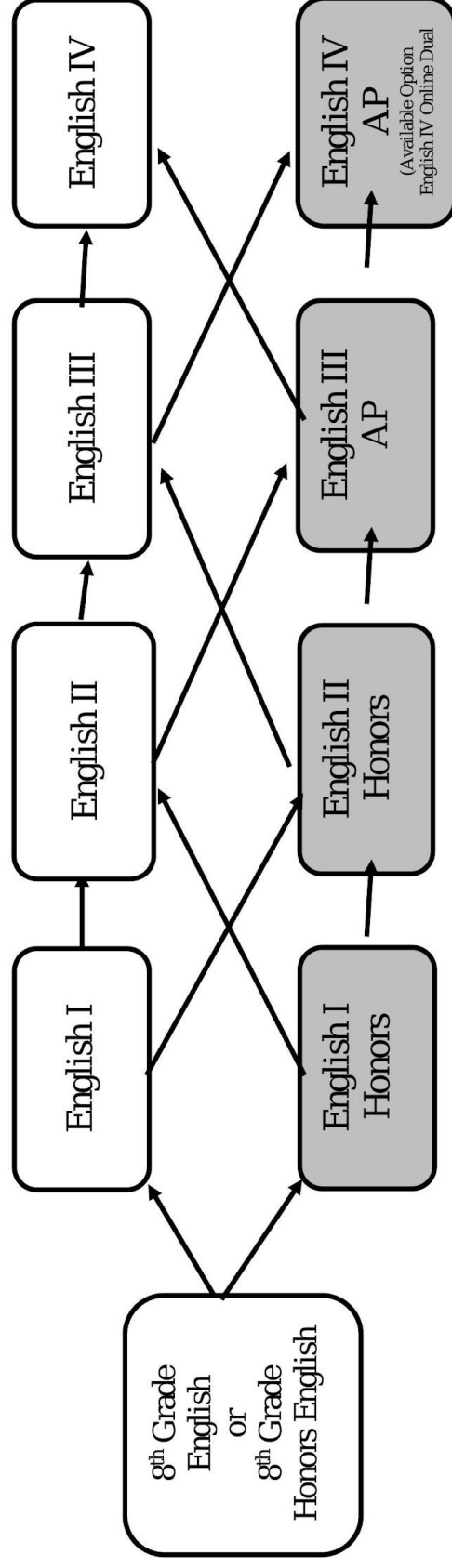
READING I, II, III (READ1, 2 or 3) {1104, 1203, 1201} (4.0) Cr. 1

Grade: 9-12

Prerequisite: Administration/Counselor Recommendation

This class will serve as an intervention for students who struggle with reading and writing. Students will improve their reading and writing skills, which plays an important role in the academic success of students in all content areas. A key element of the class will be engaging and motivating students to improve their skills and prepare for the state mandated exams and/or college.

La Grange High School Recommended Course Sequence: English



NOTE: To optimize success, students are encouraged to maintain enrollment in one course track or the other.

MATH

****Note:** Algebra I, when taken in the 8th grade, does count as one of the four state graduation math credits. However, all La Grange High School students must have four math credits in high school, and Algebra I (when taken in the 8th grade), is not calculated in student rank. According to the Texas Education Agency, any course(s) listed as a PREREQUISITE must be completed and passed prior to enrollment in a subsequent course, unless proficiency has been determined by a local committee.

ALGEBRA I (ALG1) {2100} (4.0) Cr. 1

Grade: 9

Prerequisite: 8th Grade Math (Pre-Algebra)

Algebra I is designed to give students the requisite skills that provide a foundation for all future mathematics courses. Students will explore writing and solving linear equations, powers and exponents, quadratic equations, polynomials and factoring, graphing and solving linear inequalities, functions and basic geometry.

ADVANCED ALGEBRA I (ACCALG1) {2106} (5.0) Cr. 1

Grade: 9

Prerequisite: 90 Avg in 8th Grade Math (Pre-Algebra) or Cumulative Avg below 90 in 8th Grade Algebra I

Advanced Algebra I follows the same curriculum as Algebra I but at a more advanced pace. Higher order thinking skills and theory are emphasized. This course will reinforce the fundamental skills required for future honors math courses.

STRATEGIC LEARNING FOR HS MATHEMATICS (MATH LAB) (STLNHSM) {1326} (4.0) Cr. 1

Grade: 9 (Cr. 1) or 10 (Cr. ½) (One Semester)

Prerequisite: Math Department/Counselor Recommendation

This course is intended to create strategic mathematical learners from underprepared mathematics students. The basic concepts will stimulate students to think about their approach to mathematical learning. The basic concepts will include identifying errors in the teaching and learning process, input errors, physiological concerns, and key cognitive skills. The essential knowledge and skills will foster a deeper understanding of the task of learning mathematical concepts. Use of personal data and statistical analysis will establish relevance and aid in the creation of individualized learning plans (I.L.P.'s). The Math Lab course will be built upon reviewing and reinforcing those Pre-Algebra and beginning Algebra I skills that are necessary for successfully completing Algebra I and meeting the standards of the Algebra I EOC Exam, as well as introducing skills that will be useful in subsequent high school math courses.

GEOMETRY (GEOM) {2200} (4.0) Cr. 1

Grade: 10-12

Prerequisite: Algebra I

Geometry is a discovery of points, lines, planes, and angles. It connects reasoning and proof; uses perpendicular and parallel lines; identifies and applies congruent triangles, right triangles and trigonometry; explores quadrilaterals, polygons, area, surface area, and volume; connects proportion and similarity, analyzes circles and probability.

GEOMETRY HONORS (GEOMH) {2202} (6.0) Cr. 1

Grade: 9-10

Prerequisite: "A" Average in Algebra I & Current Teacher Recommendation

This course follows the same curriculum as Geometry, but at a more advanced pace. A thorough understanding of Algebra I is required. Higher order thinking skills and theory are emphasized. Projects each six weeks may be required. (Highly recommended for students planning to continue with honors through Precalculus and those planning to take Calculus in high school.)

ALGEBRA II (ALG2) {2300} (4.0) Cr. 1

Grade: 11-12

Prerequisite: Algebra I & Geometry

Second year Algebra involves enhancing the Algebra I skills, along with studying complex numbers, matrices, radicals, rational expressions, inverses, and quadratic functions and inequalities. It also explores and applies polynomial, rational, exponential, and logarithmic functions.

ALGEBRA II HONORS (ALG2H) {2302} (6.0) Cr. 1

Grade: 10-11

Prerequisite: "A" average in Algebra I and Honors Geometry

This course will follow the same curriculum as Algebra II but at a more advanced pace in hopes to better prepare students for Honors Precalculus and Calculus. Calculator use will be limited. Quizzes and tests will consist of higher level questions involving application of the skills covered. Students must be able to recall and use all Algebra I skills without review. (Highly recommended for the college-bound student planning to take Calculus.)

MATHEMATICAL MODELS (MTHMOD) {2150} (4.0) Cr. 1

Grade: 12

Prerequisite: Algebra I and Geometry

This course builds on Algebra I foundations using algebraic, graphical, and geometric reasoning to recognize patterns and structure and to solve problems from various disciplines. Students use mathematical methods to model and solve real-life applied problems involving money, data, patterns, and science. Students use mathematical models from algebra, geometry, probability, and statistics, and connections to solve problems from a wide variety of advanced applications in both mathematical and non-mathematical situations.

PRECALCULUS (PRECALC) {2400} (5.0) Cr. 1

Grade: 11-12

Prerequisite: Algebra II

Precalculus completes the formal study of the elementary functions begun in Algebra I, Geometry, and Algebra II. Students focus on the use of technology, modeling, and problem solving. Topics of study include parent functions, combinations of functions, inverses of functions, transformations, and conics. Trigonometry functions are applied to real world situations. Connections are made to the unit circle with students analyzing trig and circular functions. Students will explore different aspects of discrete mathematics, including counting

principles, the binomial expansion theorem, sequences, and series. (Highly recommended for college-bound seniors.)

ADVANCED PLACEMENT PRECALCULUS (APPRECAL) {2402} (6.0) Cr. 1

Grade: 11-12

Prerequisite: "A" Average in Honors Algebra II

Advanced Placement (AP) Precalculus will cover the same curriculum as Precalculus listed above in more depth and at a faster pace. A thorough understanding of Geometry and Algebra II is required. Topics include polynomial, rational, exponential, logarithmic, trigonometric, and polar functions, as well as functions involving parameters, vectors, and matrices. Memorization of formulas, identities, and the unit circle is required. Calculator use will be limited in this course. This course is an honors course and honors credit is granted. The course is geared toward qualifying for the AP Exam for college credit and preparing students for AP Calculus. (Recommended for college-bound students interested in engineering and medicine.) Advanced Placement Precalculus will allow students the opportunity to obtain college credit by achieving a score of 3, 4, or 5 on the Advanced Placement Precalculus Exam. (*Check individual university requirements*).

****CALCULUS (NON-AP) (INSTUMTH) {2103}** (5.0) Cr. 1

Grade: 12

Prerequisite: Honors Precalculus or Precalculus teacher recommendation

This course is for students with exceptional mathematical talent, who have exhibited diligence in their study of all high school courses. This course offers college-bound students an opportunity to prepare themselves for the college Calculus course. Topics include limits, continuity, differentiation, integration, and transcendental functions. (Recommended for college-bound students interested in engineering and medicine.)

****ADVANCED PLACEMENT CALCULUS AB (APCALCAB) {2500}** (6.0) Cr. 1

Grade: 12

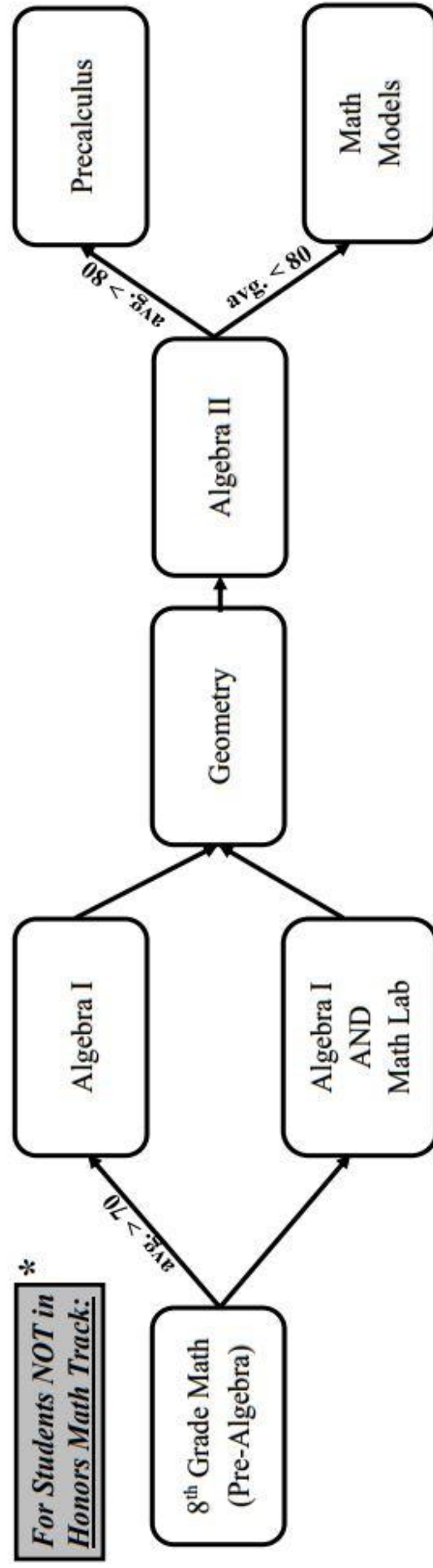
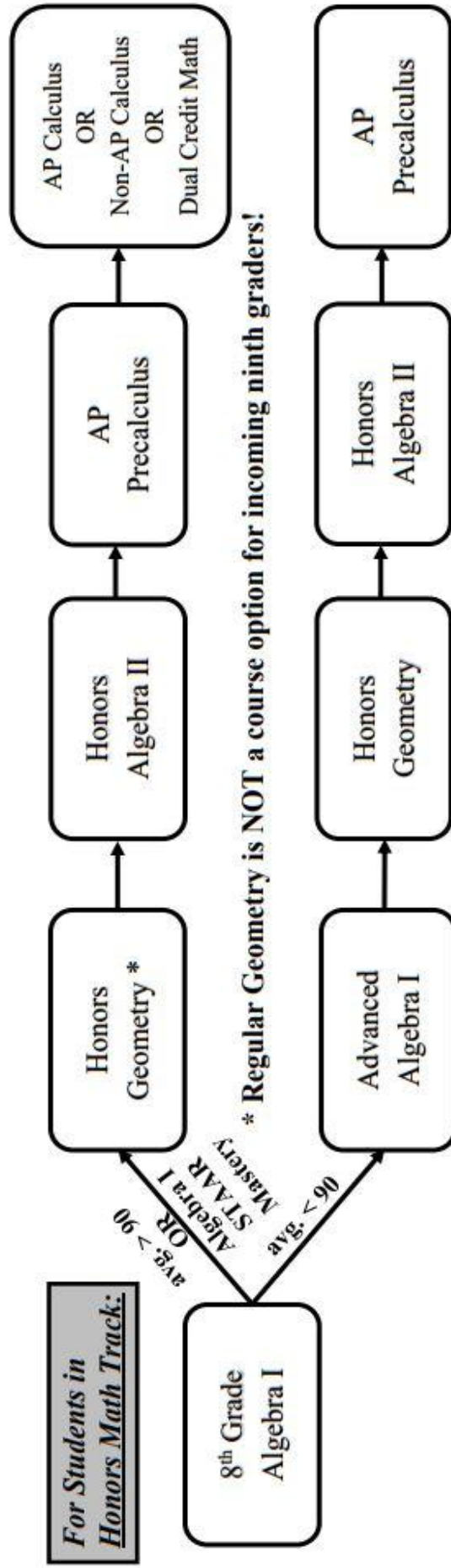
Prerequisite: Honors Pre-Calculus

This course is for students with exceptional mathematical talent, who have exhibited diligence in their study of all high school courses. This course offers college-bound students an opportunity to prepare themselves for advanced standing credit in college and the college Calculus course. Topics include limits, continuity, differentiation, integration, and transcendental functions. This course is an honors course and honors credit is granted. The course is geared toward qualifying for the AP Exam for college credit. (Recommended for college-bound students interested in engineering and medicine.) Advanced Placement Calculus AB will allow students the opportunity to obtain college credit by achieving a score of 3, 4, or 5 on the Advanced Placement Calculus AB Exam. (*Check individual university requirements*).

****Available Option Dual Credit Math {1324 or 1325}** (5.0) Cr. 1

Grade: 12

La Grange High School Recommended Course Sequence: Mathematics



*Any student maintaining a high 'A' average in his or her current math course may opt to enter the honors track the following year.

Revised 01/30/2023

SOCIAL STUDIES

Students are encouraged to take their Social Studies courses in the order outlined in the Social Studies flowchart to optimize their success.

WORLD GEOGRAPHY STUDIES (WGEO) {4200} (4.0) Cr. 1

Grade: 9

This course is a general study of the physical and cultural settings of the world. It will provide a sound basis of knowledge of the world that surrounds us and will serve as a stepping-stone for all other coursework in the social studies field.

WORLD GEOGRAPHY HONORS (WGEOH) {4202} (6.0) Cr. 1

Grade: 9

This course includes the same broad topics of study as World Geography Studies. The purpose of this course is to prepare highly motivated students for the rigorous, fast-paced, advanced placement classes. The emphasis on independent reading, writing, current events, and critical thinking gives the student opportunities to put into practice geographical concepts and skills that apply to the world. It is strongly recommended that students entering this course have passed their 8th grade STAAR U.S. History and Reading exams at the Meets or Masters level of proficiency.

WORLD HISTORY STUDIES (WHIST) {4300} (4.0) Cr. 1

Grade: 10

This course offers students an overview of the entire history of humankind. The major emphasis is on the study of people, events, and issues from prehistoric time to modern times. Students will analyze important events and issues in western civilization, as well as in civilizations from around the world.

ADVANCED PLACEMENT WORLD HISTORY: MODERN (APWHIST) {4302} (6.0) Cr. 1

Grade: 10

AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments, as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. The course is writing intensive (WI) and the correlated AP Exam is 60% essay format. AP World History: Modern will allow LHS students the opportunity to obtain college credit by achieving a score of 3, 4, or 5 on the AP World History: Modern Exam. (*Check individual university requirements*). It is strongly recommended that students entering this course have passed their English I STAAR exam at the Meets or Masters level of proficiency.

**UNITED STATES HISTORY STUDIES SINCE 1877 (USHIST) {4100} (4.0) Cr. 1

Grade: 11

This course is a general review of American History from the Reconstruction period (1877) to modern times. Content will focus on political, economic, and social events related to this particular period of U.S. History.

****ADVANCED PLACEMENT UNITED STATES HISTORY (APUSHIST) {4102}** (6.0) Cr. 1

Grade: 11

This course is designed to provide an intensive look at American history from its beginnings to the modern world. Students enrolling in AP US History must be able to think critically and write proficiently on many mature writing assignments. This course may be used to meet the state's course requirement for U.S. History or may be taken as an elective during the twelfth grade. AP US History will allow LHS students the opportunity to obtain college credit by achieving a score of 3, 4, or 5 on the AP US History Exam. (*Check individual university requirements*). It is strongly recommended that students entering this course have passed their English I and English II STAAR exams at the Meets or Masters level of proficiency.

****Available Option US History Dual Credit {4105}** (5.0) Cr. 1 Grade: 11-12

****UNITED STATES GOVERNMENT (GOVT) {4400}** (4.0) Cr. ½ (One Semester)

Grade: 12

A comprehensive study of our national government focusing on the United States Constitution and the executive, legislative, and judicial branches of government. The structure of state and local government will also be studied.

****Available Option US Government Dual Credit {4401}** (5.0) Cr. ½ (One Semester)

Grade: 12

****ECONOMICS (ECO-FE) {4500}** (4.0) Cr. ½ (One Semester)

Grade: 12

A general study of economic systems around the world, with special emphasis on the American free enterprise system. Banking, financial markets, taxation, and the Federal Reserve will also be studied.

****Available Option Economics Dual Credit {4501}** (5.0) Cr. ½ (One Semester)

Grade: 12

SOCIAL STUDIES ELECTIVES

SOCIOLOGY (SOC) {4451} (4.0) Cr. ½ (One Semester)

Grade: 12

This course is a basic survey of the principles of sociology. Students will be provided with opportunities to analyze social institutions, social norms, mass communication, and the development of various cultures throughout the world.

PSYCHOLOGY (PSYCH) {4450} (4.0) Cr. ½ (One Semester)

Grade: 12

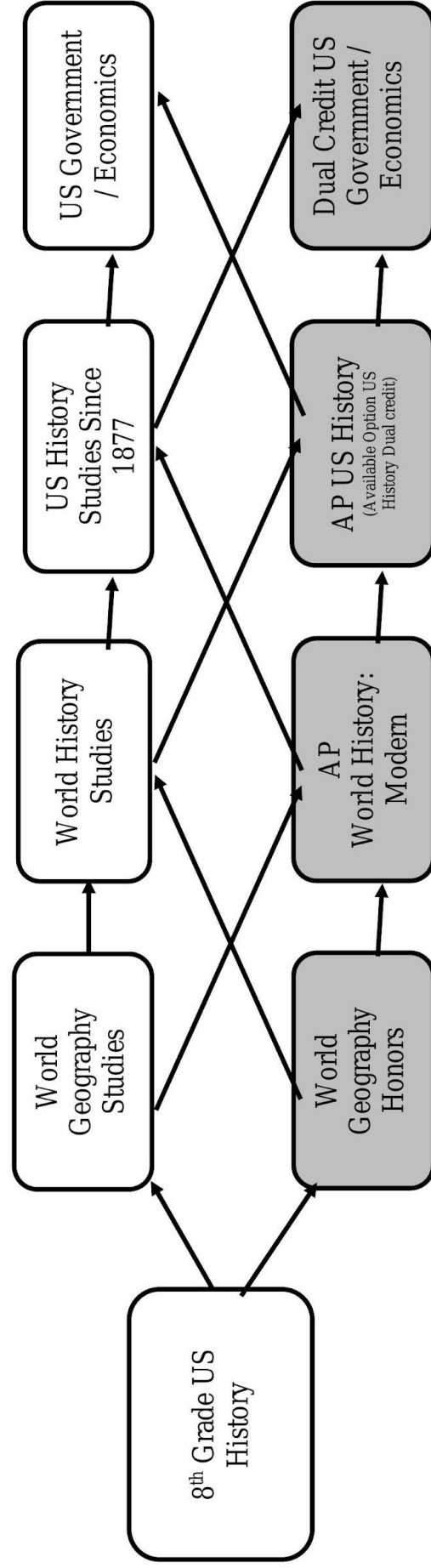
This course is a general study of basic principles of psychology. It includes a focus on human development and behavior. Topics will include learning development, thinking processes, and personality theories.

PERSONAL FINANCIAL LITERACY (PFL) {6210} (4.0) Cr. ½ (One Semester)

Grade: 11-12

Personal Financial Literacy is designed to be an interactive and research-based course. The course will teach students to apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and postsecondary education and training. There are many references to conducting a cost-benefit analysis for spending and investing decisions. Students evaluate the necessity of the purchase, the quality or value of the purchase or investment compared to other alternatives, and the total cost of acquisition, particularly in the context of financing options. Students also understand the power of both compound growth on investments and compound interest on debt and how these concepts affect the ability to build wealth over time.

La Grange High School Recommended Course Sequence: Social Studies



NOTE: To optimize success, students are encouraged to maintain enrollment in one course track or the other.

SCIENCE

BIOLOGY (BIO) {3200} (4.0) Cr. 1

Grade: 9

This is a general study of living things. Studies of cell biology, genetics, zoology, botany, and human biology are included. The use of the scientific method in gathering and processing data is emphasized, especially regarding living organisms, their life processes, and their relationship to each other and their environment. Students will study a variety of topics that include structures and functions of cells, growth and development of organisms, taxonomy, living systems, ecosystems, and plants and the environment.

BIOLOGY HONORS (BIOH) {3202} (6.0) Cr. 1

Grade: 9

Prerequisite: Algebra I & Science 8th Grade Honors, “Meets” level on 8th grade Science STAAR

Recommendation: Concurrent enrollment in Honors Geometry
MS Science Teacher Recommendation

This course is a preparation program that is designed to provide students with the necessary skills to be successful in AP Biology. It follows the same curriculum as Biology, but centers on higher order thinking skills while studying all biology, genetics, zoology, and botany.

INTEGRATED PHYSICS AND CHEMISTRY (IPC) {3100} (4.0) Cr. 1

Grade: 10 - 12

In Integrated Physics & Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry and helps prepare students to take these courses in the future. Physics topics include motion, forces, energy transformations, waves, and electricity. Chemistry topics include: characteristics of matter, the periodic table, solutions chemistry, chemical bonding, and chemical reactions.

CHEMISTRY (CHEM) {3300} (4.0) Cr. 1

Grade: 10-11

Prerequisite: Biology & “Meets” Bio I STAAR test

Recommendation: Concurrent enrollment in Geometry (or have Geometry credit)

In Chemistry, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the periodic table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solutions chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives.

CHEMISTRY HONORS (CHEMH) {3301} (6.0) Cr. 1

Grade: 10-11

Prerequisite: Algebra I, Biology 1, Pass Alg 1 & Biology STAAR

Recommendation: Concurrent enrollment in Algebra II

Chemistry Honors is the preparation program that is designed to provide students with the necessary skills to be successful in AP Chemistry. This course follows the same curriculum as Chemistry, but centers on higher order thinking skills. Students who have an interest in enrolling in AP Chemistry are strongly encouraged to complete this course.

ADVANCED PLACEMENT CHEMISTRY (APCHEM) {3302} (6.0) Cr. 1

(10 students must register for the class in order for it to make)

Grade: 11-12

Prerequisite: Chemistry; Concurrent enrollment in Algebra II

This course is designed to be the equivalent of the general chemistry course usually taken during the first college year. It presents a rigorous treatment of the following concepts: the nature of matter, gas laws, thermodynamics, stoichiometry, bonding, chemical kinetics, chemical equilibrium, and more. The problem-solving strategies obtained during this course will prepare college-bound students for careers in the sciences, medicine, engineering, and other technical areas. AP Chemistry will allow LHS students the opportunity to obtain college credit by achieving a score of 3, 4, or 5 on the AP Chemistry Exam. *(Check individual university requirements).*

PHYSICS (PHYSICS) {3500} (5.0) Cr. 1

Grade: 11-12

Prerequisite: Biology and Chemistry; Concurrent enrollment in Algebra II or Precalculus

This course surveys concepts in physics, including motion, forces, energy, momentum, gravitation, electricity, magnetism, light, and modern physics. Students participate in laboratory experiments and activities to aid in the understanding of concepts. Problem solving will require Algebra II and basic trigonometry skills. Laboratory experiments will emphasize critical thinking and application of the basic concepts.

ADVANCED PLACEMENT PHYSICS 1: ALGEBRA-BASED (APPHYS1) {3502} (6.0) Cr. 1 **(Not Offered 2023-24)**

(10 students must register for the class in order for it to make)

Grade: 11-12

Prerequisite: Biology, Chemistry & Precalculus

This course is the equivalent to a first semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum), work, energy, and power, as well as mechanical waves and sound. Electrical systems, including electrostatics and DC circuits, are also covered. AP Physics provides a foundation in physics for students in the life sciences, pre-medicine, applied sciences, as well as other fields indirectly related to science. AP Physics will allow students the opportunity to obtain college credit by achieving a score of 3, 4, or 5 on the AP Physics Exam. *(Check individual university requirements).*

ADVANCED PLACEMENT BIOLOGY (APBIO) {3402} (6.0) Cr. 1
(10 students must register for the class in order for it to make)

Grade: 11-12

Prerequisite: Bio I & Chemistry

The College Board's Advanced Placement (AP) Biology program provides motivated students with an opportunity to pursue college-level biological studies. Students may opt to take the AP Biology examination in May in order to obtain credit and/or placement at college. The main areas covered are molecules and cells, genetics and evolution, organisms and populations, which include twelve quantitative laboratory exercises. (Check individual university requirements).

ENVIRONMENTAL SYSTEMS (ENVIRSYS) {3150} (4.0) Cr. 1

Grade: 11-12

Prerequisite: Biology & Chemistry/IPC

This course is designed to introduce students to major ecological concepts and the environmental issues that affect the world in which they live. The course will stress the understanding of scientific concepts, but it will also recognize the importance of the political processes and the financial considerations that are essential in any environmental issue.

ANATOMY AND PHYSIOLOGY (ANATPHYS) {3205} (5.0) Cr. 1

Grade: 11-12

Prerequisite: Biology 85 or above

This course will be a laboratory-oriented course in which the student will observe anatomical structures and examine physiological systems. Descriptions of functions of selected anatomical structures will be included, as well as explanations of various body functions. Students will apply the principles of physiology to human health and well-being and evaluate the applications and career implications of physiology and anatomy principles and the findings of research.

ADVANCED ANIMAL SCIENCE (ADVANSCL) {7703} (4.0) Cr. 1

Grade: 11-12

Prerequisite: Small Animal Management (see pg. 35)

This course examines the interrelatedness of human scientific and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.

PRINCIPLES OF TECHNOLOGY (PRINTECH) {6208} (4.0) Cr. 1

(Physics credit, student cannot earn science credit for both Physics and Principles of Technology)

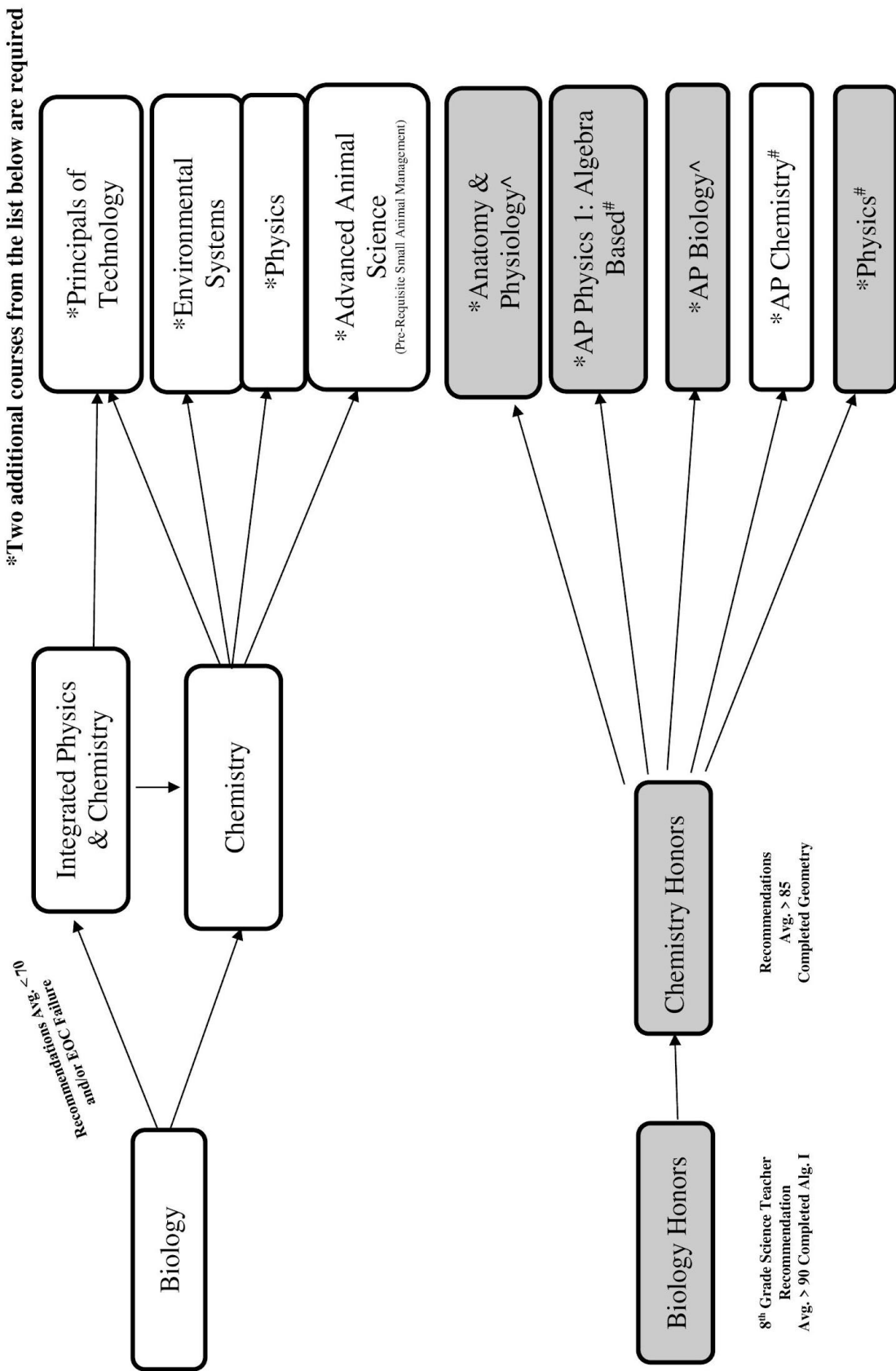
Grade: 11-12

Prerequisite: 1 credit of HS Science & Algebra I

This course is an extensive hands-on course designed to provide a study in physics topics including motion, force, momentum, work, energy, and power, as applied to mechanical, thermal, and electrical components

that comprise simple technological devices and equipment. Students will also learn and practice job-seeking, career, and professionalism skills.

La Grange High School Recommended Course Sequence: Science



^ Anat/Phys & AP Bio Recommendation: Avg. > 85 in PAP/Honors Biology

Physics/AP Physics & AP Chem Recommendations: Avg. > 85 & Completed Alg. II

LANGUAGES OTHER THAN ENGLISH (LOTE)

GERMAN 1 (GERMAN1) {5100} (4.0) Cr. 1

Grade: 9-12

The first semester focuses on comprehension of the language by exposing the students to simple daily language used in everyday life. In part, it consists of the sound system through listening, basic conversation, reading, and introduction to grammar. German is spoken by the teacher from the beginning of the semester to emphasize comprehension. Students are encouraged to practice speaking. A study of German culture, geography, and history is included, along with discussion of cultural differences, as we compare them to our own culture. By the end of the year, students should be able to comprehend simple questions and statements on daily life and topics. Students should also be able to respond in simple one word or short sentences.

GERMAN 2 (GERMAN2) {5200} (4.0) Cr. 1

Grade: 10-12

Prerequisite: German I

The first part of the first semester is spent reviewing German I skills, with an emphasis on daily usage of conversation. The year begins with some English and gradually progresses to mainly German. Students are expected to verbally respond in German to the best of their ability. The second semester includes an advanced, more technical study of grammar, vocabulary, reading, and composition. Throughout the year, cultural studies include controversial history and comparative customs and habits.

GERMAN 3 (GERMAN3) {5203} (5.0) Cr. 1

Grade: 11-12

Prerequisite: German I & II

The first part of the first semester is spent reviewing German II skills with emphasis on comprehension, grammar, vocabulary, reading, and composition. Primarily, German is spoken in this course. The course will focus on applying more complex communication skills, as well as the study of German history, literature, and drama. Throughout the year, students will be involved in more in-depth studies of the cultural studies and customs of the German people. By the end of the year, students will be expected to produce authentic, original responses and not just memorized phrases learned in Levels 1 and 2.

GERMAN 4 (GERMAN4) {5204} (5.0) Cr. 1

Grade: 12

Prerequisite: German I, II & III

This course emphasizes again the daily usage of conversational German, as well as fine tunes the advanced skills in listening, reading, and writing. The second semester includes an advanced and more technical study of grammar, vocabulary, reading, and composition. Students will practice writing well-organized and coherent compositions of about 150 to 200 words on various topics in German. Students will practice reading longer passages for comprehension and complete a short novel in the second semester. Students will become acquainted with several authentic texts in order to improve listening and reading comprehension skills.

SPANISH I (SPAN1) {5300} (4.0) Cr. 1

Grade: 9-12

A full-year course designed to teach the basic concepts of the Spanish language. The four language skills (listening, speaking, reading, and writing) are developed through the study of basic grammar and linguistics and the study of some culture and history of the Hispanic world.

SPANISH 2 (SPAN2) {5400} (4.0) Cr. 1

Grade: 10-12

Prerequisite: Spanish I

A full-year course designed to expand the four language skills of listening, speaking, reading, and writing through the study of advanced grammar and linguistics and further studies of culture and history of the Hispanic world.

SPANISH 3 (SPAN3) {5500} (5.0) Cr. 1

Grade: 11-12

Prerequisite: Spanish I & II

The first six-weeks of Spanish III will be spent reviewing the basic concepts studied in Spanish I & II, in order to cement a good foundation of Spanish basics before proceeding with the more intricate aspects of the language. The class, primarily conducted in Spanish, will be tailored as an honors course and is designed to prepare the student for college-level coursework. Emphasis will be on the spoken word, writing skills, Spanish literature, and the relevant cultures, communities, and their histories. By year's end, the student will be able to demonstrate high-level Spanish oral fluency and writing skills.

SPANISH 4 (SPAN4) {5501} (5.0) Cr. 1

Grade: 12

Prerequisite: Spanish I, II & III

The first six-weeks of Spanish IV will focus on the needs of the individual student, in an attempt to strengthen specific weaknesses in his or her Spanish skills, in preparation for college-level studies. The class, conducted in Spanish, will be tailored much like the Texas AP Spanish class. Emphasis will be on creating a life-long learner of spoken Spanish, Spanish literature, and the relevant cultures, communities, and their histories. By year's end, the student will be able to demonstrate advanced high-level Spanish oral fluency and essay-writing and citation skills.

**Computer Science I and AP Computer Science A may satisfy the LOTE graduation plan requirements.*

FINE ARTS

ART I (ART1) {1900} (4.0) Cr. 1
Grade: 9-12

This course stresses the principles of good design while trying to introduce the student to as many media as possible. The student will be introduced to drawing and painting media and techniques, as well as an introduction to art history.

ART II (ART2) {1901} (4.0) Cr. 1
Grade: 10-12
Prerequisite: Art I

Art II is a detailed study of the different materials available to the artist and the techniques involved in combination to achieve special effects. An in-depth study of the principles and concepts of drawing, design, and painting is included in the course.

ART III (ART3) {1902} (4.0) Cr. I
Grade: 11-12
Prerequisite: Art I & II

Art III is a study of awareness and sensitivity to natural and manmade environments, inventive and imaginative expression through art materials and tools, the understanding and appreciation of self and others through art culture and heritages, and aesthetic growth through visual discrimination and judgment.

ART IV (ART4) {1903} (4.0) Cr. I
Grade: 12
Prerequisite: Art I, II & III

Art IV is further development of the exploration of the elements and principles of art, and experimentation with a variety of art media as related to the theories of creative development and/or appreciation of a variety of visual art forms. Student projects will be subject to portfolio review.

**Note: Students will only be allowed to enroll in one art class per academic year.*

MUSIC APPRECIATION 1 (MUSSMA1) {9490} (4.0) Cr. 1
Grade: 10-12

The purpose of this course is to increase students' musical awareness and give them the tools to actively listen to, discuss, and critique various styles of music. Throughout the course, students will listen to musical works attentively and analytically, developing their musical memory and their ability to articulate responses to formal, stylistic, and aesthetic qualities of the works. Performance and composition — using singing, keyboard, guitar, digital programs, and students' primary performance media — will also be a part of the learning process.

BAND I-IV (MARCHING, CONCERT, CONTEST) Cr. 1 (Fall – ½ P.E. Credit, Spring – ½ Fine Art Credit)
{9th-9500; 10th-9501; 11th-9502; 12th-9503}

Grade: 9-12

Prerequisite: None

Band students perform as a marching band participating in football games, festivals, and U.I.L. Marching Contest. After football season, students are encouraged to enter Zone Try-Outs, District Band, Pre-Area Try-Outs, U.I.L. Solo, U.I.L. Ensembles, and Medium Ensembles Contests. Monday night practice is required, and additional practices after school are required, when needed. Band fulfills the fine art credit requirement.

The Band represents the school in the Fayette County Parade, Christmas Parade, other community events, Maifest Parade in Brenham, concerts, and U.I.L. contests on the regional and state level each year. School instruments, equipment, and uniforms are to be maintained by the student. Students will be charged for damage to band inventory. Students receive credit in Marching Band during the fall semester and credit in Music Fine Art (Concert Band) during the spring semester. Marching Band credit may be substituted for Physical Education credit. See graduation requirements for further explanation).

Students signing up for band will be assigned to either the Wind Ensemble or Symphonic Band class through a band placement audition in the fall. The description of each band is as follows:

WIND ENSEMBLE – The top-performing ensemble in the band department is the Wind Ensemble.

The Wind Ensemble functions as a part of the Mighty Leopard Band during marching season (with the Symphonic Band) and then performs its own group during the remainder of the school year. The Wind Ensemble competes in UIL events and other concert contests.

Students are expected to practice outside of the school day and attend extra rehearsals as scheduled. Students are also expected to compete in individual events at the All-Region Band auditions and UIL Solo and Ensemble contests.

SYMPHONIC BAND – The Symphonic Band is open to any band student at La Grange High School and performs music consistent with that of other high schools of similar size.

The Symphonic Band functions as a part of the Mighty Leopard Band (with the Wind Ensemble) during the marching season and performs as its own group during the remainder of the school year. The Symphonic Band competes in UIL events and other concert contests.

Students are expected to practice outside of the school day and attend extra rehearsals as scheduled. Participation in the Symphonic Band is geared as training for the more rigorous participation in the Wind Ensemble.

HEALTH

HEALTH EDUCATION (HLTHED) {6800} (4.0) Cr. ½ (One Semester)

Grade: 10-12

In health education, students acquire the health information and skills necessary to become healthy adults and learn about behaviors in which they should or should not participate. Students will develop skills that will make them health-literate adults. Students will gain an understanding of the knowledge and behaviors they use to safeguard their health, particularly pertaining to health risks.

SPEECH

****PROFESSIONAL COMMUNICATIONS (PROFCOMM) {1605}** (4.0) Cr. ½ (One Semester)
Grade: 10-12

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative, have a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, and use technology, as necessary. This is a **required** course for graduation. **Students who plan on taking Career Preparation I or II, Cosmetology, Construction Technology or Welding their Junior or Senior year are encouraged to take Speech their Sophomore year.**

****Available Option Communications Applications Dual Credit {1315}** (5.0) Cr. ½ (One Semester)
Grade: 11-12

PHYSICAL EDUCATION

LIFETIME RECREATION AND OUTDOOR PURSUITS (LIFEROP) {9310} Cr. 1
{Offered 2025-2026}
Grade: 9-12

Students in Lifetime Recreation and Outdoor Pursuits participate in activities that promote physical literacy, respect for and connection to nature and the environment, and opportunities for enjoyment for a lifetime. Students will experience opportunities that enhance self-worth and support community engagement.

SKILL-BASED LIFETIME ACTIVITIES (SBLIFE) {9320} Cr. 1
{Offered 2023-2024}
Grade: 9-12

The Skill-Based Lifetime Activities course offers students the opportunity to demonstrate mastery in basic sport skills, basic sport knowledge, and health and fitness principles. Students experience opportunities that promote physical literacy and lifetime wellness.

LIFETIME FITNESS AND WELLNESS PURSUITS (LIFEFIT) {9330} Cr. 1
{Offered 2024-2025}
Grade: 9-12

The Lifetime Fitness and Wellness Pursuits course offers current approaches for the foundation of personal fitness, physical literacy, lifetime wellness, and healthy living. Students in Lifetime Fitness and Wellness

Pursuits will apply the knowledge and skills to demonstrate mastery of the concepts needed to achieve lifetime wellness.

ATHLETICS (SUBATH1, 2, 3, or 4) Cr. 1 (Cr. 0.5 for senior fall semester only)

Boys {**9200**-9th; **9201**-10th; **9202**-11th; **9203**-12th year long; **9208** - 12th fall semester}

Girls {**9100**-9th; **9101**-10th; **9102**-11th; **9103**-12th}

Athletics is a full-year course required for those students who want to participate in the following extra-curricular sports:

For Girls Athletics - Volleyball, Basketball, Softball, and/or Soccer

For Boys Athletics - Football, Basketball, and/or Baseball

Students who participate in Tennis, Golf, Cross Country, Swimming, Boys Soccer, Powerlifting, and Track are not required to be in the athletic period but may choose to register for the course, as well.

If a scheduling conflict prohibits a student who wants to participate in one of the required athletic period sports from registering for the Athletics, the student must register for a Physical Education class instead.

Students who enroll in Athletics are required to participate in at least one sport each year, or they will be scheduled for Physical Education. A student must complete at least one sport in a school year to receive a credit for Physical Education and to be rescheduled into the Athletic period the following school year.

SPORTS MEDICINE I (SPORTMD1) {6900} (4.0) Cr. 1

Grade: 10-12

This course is one offered to high school students to provide an opportunity for the study and application of the components of sports medicine. It can be an avenue to recruit athletic training students and educate students about sports medicine careers.

SPORTS MEDICINE II (SPORTMD2) {6901} (4.0) Cr. 1

Grade: 11-12

Prerequisite: Sports Medicine I and Athletic Trainer Approval

Sports Medicine II is designed to be offered as a full-year innovative course. This course is designed for athletic training students. It provides an in-depth study and application of the components of sports medicine, including but not limited to basic rehabilitative techniques, therapeutic modalities, wound care, taping and bandaging techniques, prevention, recognition and care of musculoskeletal injuries, injuries to the young athlete, drugs in sports, and modern issues in sports medicine. Individualized and independent assignments will be included in this course. This course will involve outside of class time homework and time required working with athletes and athletic teams.

CAREER & TECHNICAL EDUCATION

PUBLIC NOTIFICATION OF NONDISCRIMINATION IN CAREER AND TECHNICAL EDUCATION

La Grange ISD offers career and technical education programs of study in Agribusiness, Carpentry, Accounting & Financial Services, Marketing & Sales, Early Learning, Teaching & Training, Exercise Science & Wellness, Healthcare Diagnostics, Health & Wellness, Welding, Programming & Software Development, Advanced Manufacturing & Machinery Mechanics, and Engineering.

Admission to these programs is based on student interest, age and credit requirements/course pre-requisite requirements specified by the Texas Education Agency.

It is the policy of La Grange ISD not to discriminate on the basis of race, color, national origin, sex, or handicap in its vocational programs, services, activities, and employment as required by Title IV of the Civil Rights Act of 1964, as amended; Title IX of the Educational Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. La Grange ISD will take steps to ensure that lack of English language skills will not be a barrier to admission to and participation in all educational and vocational programs.

Comunicado Público sobre la No Discriminación en la Educación Profesional y Tecnológica

La Grange ISD ofrece programas de estudios de educación técnica y profesional en Agronegocios, Carpintería, Contabilidad y Servicios Financieros, Mercadotecnia y Ventas, Aprendizaje Temprano, Enseñanza y Capacitación, Ciencias del Ejercicio y Bienestar, Diagnóstico de Salud, Artes Culinarias, Salud y Bienestar, Soldadura, Programación Y Desarrollo de software, Fabricación Avanzada y Mecánica de Maquinaria e Ingeniería

La admisión a estos programas se basa en el interés del estudiante, su edad y grado como estipulado por la Agencia de la Educación de Texas.

La norma del distrito es de no discriminar por motivos de raza, color, origen de procedencia, sexo o impedimento, en sus programas, servicios o actividades vocacionales y en sus procedimientos de empleo tal como lo requieren el Título IV de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Enmiendas en la Educación de 1972 y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda. El Distrito Escolar Independiente La Grange tomará las medidas necesarias para asegurar que la falta de habilidad en el uso del idioma inglés no sea un obstáculo para la admisión y participación en todos los programas educativos y vocacionales.

Programs of Study

Academy of Agriculture, Food, and Natural Science:

- *Animal Science*
- *Plant Science*

Academy of Manufacturing

- *Welding*

Academy of Architecture and Construction

- *Carpentry*

Academy Of Arts, A/V Technology, And Communications

- *Digital Communications*

Academy of Human Services

- *Cosmetology*

Academy of Education and Training

- *Teaching and Training*

Academy of Business, Marketing, and Education

- *Accounting and Financial Services*
- *Marketing and Sales*

Academy of Science, Technology, Engineering, and Math

- *Cybersecurity*
- *Engineering*

ACADEMY OF AGRICULTURE, FOOD, AND NATURAL SCIENCE

The Agriculture, Food, and Natural Resources (AFNR) Career Cluster focuses on the essential elements of life: food, water, land, and air. This career cluster includes a diverse spectrum of occupations, ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist. It also includes non-traditional agricultural occupations like wind energy, solar energy, and oil and gas production.

ANIMAL SCIENCE: *The Animal Science program of study focuses on the science, research, and business of animals and other living organisms. It teaches CTE learners how to apply biology and life science to real-world life processes of animals and wildlife, either in laboratories or in the field, which could include a veterinary office, a farm or ranch, or any outdoor area harboring animal life. Students may also research and analyze the growth and destruction of species and research or diagnose diseases and injuries of animals.*

PRINCIPLES OF AGRICULTURE FOOD & NATURAL SCIENCE (PRINAFNR) {7300} (4.0) Cr. 1

Grade: 9-12

A comprehensive basic course designed to introduce beginning students to global agriculture. The course includes agricultural career development, leadership, communications, and personal finance. Also, the course includes soils, plants, animals, agricultural construction, food science, supervised occupational experience programs, and leadership. A project relating to course content will be required.

SMALL ANIMAL MANAGEMENT (SMANIMGT) {7805} (4.0) Cr. ½ (One Semester)

Grade: 10-12

Prerequisite: Principles of Agriculture Food & Natural Science

In Small Animal Management, students will acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals, such as dogs and cats, amphibians, reptiles, and birds. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings.

EQUINE SCIENCE (EQUINSCI) {7702} (4.0) Cr. ½ (One Semester)

Grade: 10-12

Prerequisite: Principles of Agriculture Food & Natural Science

This course is designed to introduce students to the scientific principles of equine animal systems and to the equine industry. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

ADVANCED ANIMAL SCIENCE (ADVANSKI) {7703} (4.0) Cr. 1

Grade: 11-12

Prerequisite: Small Animal Management AND Equine Science

This course examines the interrelatedness of human scientific and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.

***INDUSTRY-BASED CERTIFICATION: VETERINARY ASSISTANT**

PLANT SCIENCE: *The Plant Science program of study focuses on the science, research, and business of plants and other living organisms. It teaches students how to apply biology and life science to real-world life processes of plants and vegetation, either in laboratories or in the field.*

PRINCIPLES OF AGRICULTURE FOOD & NATURAL SCIENCE (PRINAFNR) {7300} (4.0) Cr. 1

Grade: 9-12

A comprehensive basic course designed to introduce beginning students to global agriculture. The course includes agricultural career development, leadership, communications, and personal finance. Also, the course includes soils, plants, animals, agricultural construction, food science, supervised occupational experience programs, and leadership. A project relating to course content will be required.

FLORAL DESIGN I (FLORAL) {8105} (4.0) Cr. 1

Grade: 10-12

Prerequisite: Principles of Agriculture Food & Natural Science

Floral design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design, as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgements and evaluations.

***NEW COURSE* ADVANCED FLORAL DESIGN (ADVFLDES) {8106} (4.0) Cr. 1**

Grade: 11-12

Prerequisite: Principles of Agriculture Food & Natural Science AND Floral Design I

In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on building skills in advanced floral design and providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event. Through the analysis and evaluation of various occasion and event types, students explore the design needs and expectations of clients and propose and evaluate appropriate creations. From conception to evaluation, students are challenged to create and design appropriate specialty floral designs that meet the needs of the client. Furthermore, an emphasis on budgetary adherence and entrepreneurship equips students with many of the necessary skills needed for success in floral enterprises.

CAREER PREPARATION I (EXCAREE1) {8502} (4.0) Cr. 3

Grade: 11-12

Career Preparation I provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, job interview techniques, communications skills, financial and budget activities, and creating a resume. **Students are required to find and maintain employment at a training station for the duration of the course.**

***INDUSTRY-BASED CERTIFICATIONS:**
TEXAS STATE FLORAL ASSOCIATION LEVEL 1
TEXAS STATE FLORAL ASSOCIATION LEVEL 2

ACADEMY OF AGRICULTURE, FOOD, AND NATURAL RESOURCES



Animal Science



PRINCIPLES OF
AGRICULTURE



SMALL ANIMAL
MANAGEMENT

EQUINE SCIENCE



ADVANCED ANIMAL
SCIENCE



CAREER PREP /
CAREER PRACTICUM



ACADEMY OF AGRICULTURE, FOOD, AND NATURAL RESOURCES



Plant Science



PRINCIPLES OF
AGRICULTURE



FLORAL DESIGN I



FLORAL DESIGN II



CAREER PREP /
CAREER PRACTICUM



ACADEMY OF MANUFACTURING

The Manufacturing Career Cluster focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities, such as production planning and control, maintenance, and manufacturing/process engineering.

WELDING: *The welding program of study focuses on the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. CTE learners will learn how to modify parts to make or repair machine tools or maintain individual machines and how to use hand-welding or flame-cutting equipment.*

PRINCIPLES OF ARCHITECTURE (PRINARCH) {8600} (4.0) Cr. 1

Grade: 9-12

Principles of Architecture provides an overview of the various fields of architecture, interior design, construction science, and construction management. Job-specific, skilled training can be provided through the use of training modules to identify career goals in trade and industry areas. Safety and career opportunities are included, in addition to work ethics and job-related study in the classroom, such as communications, problem solving, and critical thinking. This is a certification course (CORE) requiring 175 hours of classroom meeting time. Limited lab activities will be included. Performance tests over each certification module will be administered.

INTRODUCTION TO WELDING I (INTRWELD) {7804} (4.0) Cr. 1

Grade: 10-12

Prerequisite for Certification: Principles of Architecture

Introduction to Welding will provide an introduction to welding technology, with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. Students will develop knowledge and skills related to welding and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations, and the development of workplace skills will prepare students for future success.

WELDING I (WELD1) {7800} (4.0) Cr. 2

Grade: 11-12

Prerequisite for Certification: Principles of Architecture

Rapid advances in technology have created new career opportunities and demands in many industries. Welding provides the knowledge, skills, and technologies required for employment in metal technology systems. Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations, and the development of workplace skills prepare students for future success.

WELDING II (WELD2) {7900} (4.0) Cr. 2

Grade: 12

Prerequisite: Principles of Architecture AND Welding I

Welding II builds on knowledge and skills developed in Welding I. Students will develop advanced welding concepts and skills as they relate to personal and career development. This course integrates academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

ACADEMY OF ARCHITECTURE AND CONSTRUCTION

The Architecture and Construction Career Cluster focuses on designing, planning, managing, building, and maintaining the built environment. Principles of Architecture provides an overview of the various fields of architecture, interior design, and construction management.

CARPENTRY: *The carpentry program of study explores the occupations and educational opportunities related to constructing, installing, or repairing structures and fixtures made of wood, such as concrete forms (including frameworks, partitions, joists, studding, rafters, and stairways). This program of study may also include exploration into installing, dismantling, or moving machinery and heavy equipment, according to layout plans, blueprints, or other drawings.*

PRINCIPLES OF CONSTRUCTION (PRINCON) {8602} (4.0) Cr. 1

Grade: 9-12

Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction (residential) or craft-skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment. Lab/shop time accounts for 30% of the course.

CONSTRUCTION TECHNOLOGY I (CONTECH1) {8601} (4.0) Cr. 2

Grade: 10-12

This course is geared toward residential construction. Students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. Lab/shop time accounts for 40-60% of the course.

CONSTRUCTION TECHNOLOGY II (CONTECH2) {8603} (4.0) Cr. 2

Grade: 11-12

Prerequisite: Construction Technology I

Students will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians, or supervisors, or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills. Lab/shop time accounts for 60-75% of the course.

PRACTICUM IN CONSTRUCTION TECHNOLOGY (PRACCT1) {8605} (4.0) Cr. 2

Grade: 12

Prerequisite: Construction Technology II

This course is designed to provide job-specific training for entry-level employment in construction-related careers and carpentry. Other topics visited will include brick laying, stone masonry, electricity, plumbing, painting, and decorating. Lab/shop time accounts for 90% of the course.

***INDUSTRY-BASED CERTIFICATIONS: NCCER CORE Certification**

All students wishing to become National Center for Construction Education (NCCER) certified should sign up for Principles of Architecture (8600). Students planning to take welding should sign up for Principles of Architecture as a prerequisite. These curricula have been created to help address the critical workforce shortage facing the construction industry. NCCER Curriculum allows students to take various assessments, which can lead to certification as a skilled entry-level employee in the construction industry.

ACADEMY OF MANUFACTURING



Carpentry



PRINCIPLES OF
ARCHIECTURE

PRINCIPLES OF
CONSTRUCTION



CONSTRUCTION
TECHNOLOGY I



CONSTRUCTION
TECHNOLOGY II



PRACTICUM IN
CONSTRUCTION
TECHNOLOGY



ACADEMY OF MANUFACTURING



Welding



PRINCIPLES OF
ARCHIECTURE

PRINCIPLES OF
CONSTRUCTION



INTRODUCTION TO
WELDING



WELDING I



WELDING II



ACADEMY OF ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS

The Arts, A/V Technology and Communications (AAVTC) Career Cluster focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content, including visual and performing arts and design, journalism, and entertainment services. Careers in the AAVTC career cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication.

DIGITAL COMMUNICATIONS: *The Digital Communications program of study explores the occupations and educational opportunities associated with the production of audio and visual media formats for various purposes, such as TV broadcasts, advertising, video production, or motion pictures. This program of study may also include exploration into operating machines and equipment to record sound and images, such as microphones, sound speakers, video screens, projectors, video monitors, sound and mixing boards, and related electronic equipment.*

PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY & COMMUNICATIONS (PRINAAVTC) {6405} (4.0) Cr. 1 Grade: 9-10

Students will develop a basic understanding of Audio/Video Technology. Included in this exploration will be the history of film, current practice and future trends for careers in audio/video. Students will be learning pre-production and production skills, terminology, and lighting and camera techniques that will be used in audio and video projects for district and community use. Students will learn the importance of teamwork, planning and flexibility in audio/video production. Programs used include the Adobe Creative Cloud Suite: Illustrator, Photoshop, Premiere, Audition.

GRAPHIC DESIGN AND ILLUSTRATION I (GRAPHDI1) {3408} (4.0) Cr. 1 Grade: 10-12

In Graphic Design and Illustration I, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students will enhance reading, writing, computing, communication, and critical thinking, and apply them to the IT environment. Programs used include the Adobe Creative Cloud Suite: Illustrator, Photoshop, Premiere, Audition, Flash, and Dreamweaver.

AUDIO/VIDEO PRODUCTION I (AVPROD1) {6300} (4.0) Cr. 1 Grade: 11-12 Prerequisite: Graphic Design and Illustration I

Students in A/V I will expand on skills taught in Principles of A/V Production, while acquiring leadership roles in production of the weekly LGTV video and KTIM radio broadcasts. Students will learn post-production processes and skills. Programs used include the Adobe Creative Cloud Suite: Illustrator, Photoshop, Premiere, Audition, After Effects.

AUDIO/VIDEO PRODUCTION II (AVPROD2) {6301} (4.0) Cr. 1 Grade: 12 Prerequisite: Audio/Video Production I

Students in A/V II will continue to expand pre-production, production, and post-production, and leadership skills while managing production of the weekly LGTV and KTIM radio broadcasts. Additionally, students will develop an A/V portfolio through production of their own student-designed projects. Programs used include the Adobe Creative Cloud Suite: Illustrator, Photoshop, Premiere, Audition, After Effects.

ACADEMY OF ARTS, A/V TECHNOLOGY AND COMMUNICATIONS



DIGITAL COMMUNICATIONS



PRINCIPLES OF
ARTS,
AUDIO/VIDEO
TECHNOLOGY AND
COMMUNICATIONS



GRAPHIC DESIGN
AND ILLUSTRATION



AUDIO/VISUAL
PRODUCTION I



AUDIO/VISUAL
PRODUCTION II



***INDUSTRY-BASED CERTIFICATIONS:**

Adobe Suite:

Print and Digital Media Publication
Visual Design
Digital Video
Audio-Visual Communications
Broadcasting and Journalism

ACADEMY OF HUMAN SERVICES

The Human Services Career Cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care services, and consumer services.

COSMETOLOGY: The Cosmetology and Personal Care Services regional program of study introduces CTE learners to knowledge and skills related to providing beauty and personal care services. CTE concentrators may learn about or practice managing personal care facilities and coordinating or supervising personal service workers.

INTRODUCTION TO COSMETOLOGY (INTCOSMO) {8100} (4.0) Cr. 1

Grade: 11

Prerequisite: Cosmetology Application

In Introduction to Cosmetology, students explore careers in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students may begin to earn hours toward state licensing requirements.

COSMETOLOGY I (COSMET1) {8101} (4.0) Cr. 2

Grade: 11

Prerequisite: Cosmetology Application

Cosmetology is an opportunity to explore a range of careers available in the cosmetology industry and is a two-year program. Students will receive training in sequential courses that can lead to their successful completion of the requirements for licensing with TDLR. Students will explore leadership, entrepreneurship, employability skills, and become productive, responsible citizens. Students will demonstrate the ability to work in a professional salon atmosphere, while in a high school setting. After passing the state examination, a student could be fully-licensed to work in any salon in Texas.

This is a pre-employment laboratory course with job-specific training for entry-level employment in cosmetology careers. Cosmetology includes the knowledge and application of the principles and practices of the treatment of the hair, skin, and nails, in accordance with licensing requirements. Students will develop the skills required to be competitive in the field of cosmetology, including hair-cutting, coloring, texture services, waxing, and styling. In addition, students will also develop highly-needed skills for success, including group participation, leadership, appropriate work habits, safety and sanitation procedures, customer service and communication with co-workers, as well as clientele. Students are expected to complete 500 hrs during the (junior) first year; regular attendance is essential. The La Grange Salon features a complete salon set-up, including styling stations, manicure and pedicure stations, and esthetics room.

The cosmetology program is under the supervision of Texas Department of Licensing and Regulations (TDLR). Students enrolled in the program will be expected to abide by the rules and regulations of the Texas Department of Licensing and Regulations (TDLR), as well as the rules set forth by La Grange ISD.

CURRICULUM APPLICATION REQUIREMENTS

The Texas Department of Licensing and Regulation (TDLR) has mandated that students may be enrolled in the cosmetology program only while in high school. Once students have graduated, they may no longer return to La Grange High School to make up additional hours in order to qualify for the PSI Examinations.

Students must have completed 500 hours by the end of Cosmetology I and passed all grading periods.

Cosmetology I must be completed successfully in order to meet the prerequisite requirements for enrollment in Cosmetology II.

There are certain fees that are required to participate in cosmetology. These fees must be paid **before** the first day of school. **Cosmetology Fees**

- \$25 fee for Cosmetology Permit, using debit card or prepaid card online.
- \$500 Kit fee -(\$367 kit, \$63 theory book, \$25 uniform fee, \$45 lab fees/additional supplies)
- \$14 for purchase of TDLR rulebook, using debit card or prepaid card online.
- Students are responsible for the cost of materials used in projects associated with the vocational organization SkillsUSA.

COSMETOLOGY II (COSMET2) {8102} (4.0) Cr. 3

Grade: 12

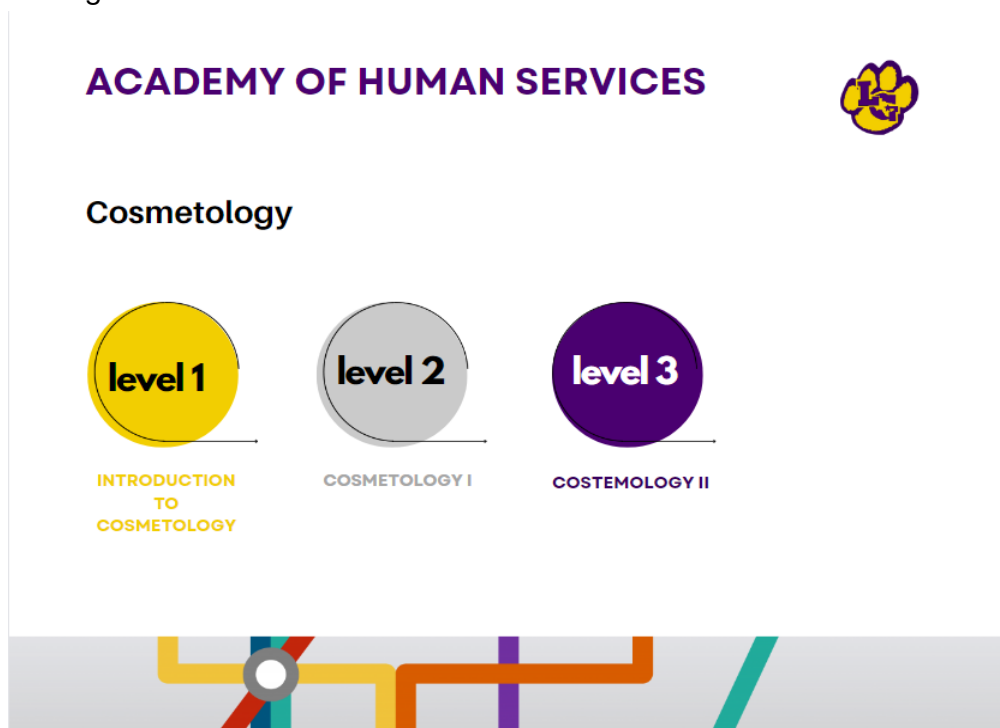
Prerequisite: Cosmetology I & Cosmetology Application

Cosmetology II is a continuation of Cosmetology I. After completion of 1000 clock hours of theory and laboratory work, students are eligible for the licensure examination. The cosmetology program is under the supervision of Texas Department of Licensing and Regulations (TDLR). Students must successfully pass a state board written exam to receive 1.5-graduation credit second semester of the senior year. Students must pass all core classes in order to receive 500 academic hours free. Then they must pass the practical portion of the exam in order to receive their Texas State Cosmetology License and pay all fees. This course requires excellent attendance in order to pass the test.

Once the required hours are met, TDLR requires a written exam fee of approximately \$55.00 and a practical exam fee of \$78.00. The written exam must be passed before applying for the practical exam. Students eligible for the exam are responsible for the exam fees. This cost does not include the fee for the Operator's License after passing the exams.

There are certain fees that are required to participate in cosmetology. Those fees must be paid **before** the first day of school. **Cosmetology Fees**

- \$460 fee, which includes additional supplies for the stateboard testing kit, additional curriculum materials, lab fees, written state board testing fee, and practical state board testing fee. You will be required to pay \$50 for your license once all testing has been completed.
- Students are responsible for the cost of materials used in projects associated with the vocational organization SkillsUSA.



***INDUSTRY BASED CERTIFICATION: COSMETOLOGY OPERATORS LICENSE**

ACADEMY OF EDUCATION AND TRAINING

The Education and Training Career Cluster focuses on planning, managing, and providing education and training services and related learning support services. All parts of courses are designed to introduce learners to the various careers available within the Education and Training career cluster. Family, Career, and Community Leaders of America (FCCLA) is the student organization that accompanies Family and Consumer Science Courses. Leadership development, through community service and project work, is the focus of this organization. Upon entering a Family Consumer Science course, a student is automatically a member of the local Family Career and Community Leaders of America chapter. To become a member of the State and National organization, students participate in fundraisers to help pay dues. Benefits to students and their families are numerous as a result of participation in FCCLA, such as resume and scholarships, competitions, and leadership conferences, etc.

TEACHING AND TRAINING: *The Teaching and Training program of study prepares CTE learners for careers related to teaching, instruction, and creation of instructional and enrichment materials. The program of study introduces CTE learners to a wide variety of student groups and their corresponding needs. It familiarizes them with the processes for developing curriculum, coordinating educational content, and coaching groups and individuals.*

PRINCIPLES OF HUMAN SERVICES (PRINHUSR) {7100} (4.0) Cr. 1

Grade: 9-12

This comprehensive laboratory course is designed to address a broad range of knowledge and skills related to personal development and management, promotion of strong families, and preparation for adult roles. Content includes a focus on interpersonal skills; decision-making; promotion of family strengths and well-being; developing positive relationships with peers; child development and care; and clothing selection and maintenance. Other studies address nutrition and dietary practices; food selection and preparation; budgeting and consumer-buying practices; and management of family housing needs. Influences of societal and technological changes, career options, and the management of multiple-family, community and career roles are included.

CHILD DEVELOPMENT (CHILDDDEV) {7205} (4.0) Cr. 1

Grade: 10-12

Prerequisite: Principles of Human Services

Child development is a laboratory course that focuses on parenthood and early child education. The interrelationship of caregiver behavior, behavior of children, and child development is shown. Students may expect to acquire background knowledge regarding the responsibilities involved in parenting and the knowledge needed for effective parenting. The development of the child is included, and career choices and his/her impact on the family are addressed. The course is directed toward solving problems of the family as a family. The content emphasizes special parenting needs and/or situations such as single parenting, step-parenting, children in crises, and abusive parenting behaviors. The course involves content on managing family and work (including the impact of the management on family life and productivity of the worker). It also focuses on personal development, interpersonal relationships, effective individual and family functioning, and career preparation, all within a changing society. The course addresses personal identity, responsibilities of living as an independent adult, relationship development outside the family, and factors related to marital success. Special attention is focused on understanding the roles, responsibilities, and impact of the family on individuals and society; promoting and strengthening the family unit; and managing multiple families, such as, domestic violence and family member roles. Students have the option to carry/participate in parenting simulation and be responsible for the care of a computerized baby, or students can participate in an observation evaluation project.

NEW COURSE CHILD GUIDANCE (CHILDGUI) {7206} (4.0) Cr. 2

Grade: 11-12

Prerequisite: Principles of Human Services & Child Development

Child Guidance is a technical laboratory course that addresses the knowledge and skills related to child growth and guidance, equipping students to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with

special needs. Instruction may be delivered through school-based laboratory training or through work-based delivery arrangements, such as cooperative education, mentoring, and job shadowing.

***NEW COURSE* INSTRUCTIONAL PRACTICES (INPRAC) {7207} (4.0) Cr. 2**

Grade: 11-12

Prerequisite: PRINCIPLES OF HUMAN SERVICES AND CHILD DEVELOPMENT

Instructional Practices is a field-based (practicum) internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary, middle school, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

***COMING 2024-2025* PRACTICUM IN EARLY LEARNING (PRACEL1) {7208} (4.0) Cr. 2**

Grade: 12

Prerequisite: CHILD GUIDANCE

***COMING 2024-2025* PRACTICUM IN EDUCATION AND TRAINING (PRACEDT1) {7209} (4.0) Cr. 2**

Grade: 12

Prerequisite: INSTRUCTIONAL PRACTICES

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles, as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education, and exemplary educators in direct instructional roles with elementary, middle school, and high school students.

ACADEMY OF EDUCATION AND TRAINING



Teaching and Training / Early Learning



***INDUSTRY BASED CERTIFICATION: Child Development, Education Aide**

ACADEMY OF BUSINESS & MARKETING EDUCATION

The Business, Marketing, and Finance Career Cluster focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

ACCOUNTING AND FINANCIAL SERVICES: The Accounting and Financial Services program of study teaches CTE learners how to examine, analyze, and interpret financial records. Through this program of study, students will learn the skills necessary to perform financial services, prepare financial statements, interpret accounting records, give advice, or audit and evaluate statements prepared by others. This program of study will also introduce students to mathematical modeling tools.

PRINCIPLES OF BUSINESS, MARKETING & FINANCE (PRINBMF) {7301} (4.0) Cr. 1

Grade: 9-12

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance.

ACCOUNTING I (ACCOUNT1) {6200} (4.0) Cr. 1

Grade: 11-12

This course is a study of the basic principles of accounting for sole proprietorship, partnership, service and merchandising businesses. This study helps prepare young people for successful participation in a variety of office and business occupations. It is a highly-recommended elective for students planning to major or minor in business (finance, accounting, management or marketing).

CAREER PREPARATION I (EXCAREE1) {8502} (4.0) Cr. 3

Grade: 11-12

Career Preparation I provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, job interview techniques, communications skills, financial and budget activities, and creating a resume. **Students are required to find and maintain employment at a training station for the duration of the course.**

MARKETING AND SALES: The Marketing and Sales program of study teaches CTE learners how to collect information to determine potential sales of a product or service and/or create a marketing campaign to market or distribute goods and services. Through this program of study, students will learn the skills necessary to understand and apply data on customer demographics, preferences, needs, and buying habits.

PRINCIPLES OF BUSINESS, MARKETING & FINANCE (PRINBMF) {7301} (4.0) Cr. 1

Grade: 9-12

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance.

SPORTS AND ENTERTAINMENT MARKETING (SPORTSEM) {6902} (4.0) Cr. ½ (One Semester)

Grade: 10-12

Recommended Prerequisite: Principles of Business, Marketing, and Finance

Sports and Entertainment Marketing will provide students with a thorough understanding of marketing concepts and theories that apply to sports and entertainment. The areas of this course will cover basic marketing concepts, publicity, sponsorships, endorsement, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies.

ADVERTISING (ADVERTIS) {6401} (4.0) Cr. ½ (One Semester)

Grade: 10-12

Recommended Prerequisite: Principles of Business, Marketing, and Finance

Advertising is designed as a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, cultural, ethical, and legal issues of advertising, historical influences, strategies, media decision processes as well as integrated marketing communications, and careers in advertising and sales promotion. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.

RETAIL MANAGEMENT (REMGMT) {6402} (4.0) Cr. 1 (***Not Offered 2023-24***)

Grade: 11-12

Recommended Prerequisite: Principles of Business, Marketing, and Finance AND Sports and Entertainment Marketing

Retail Management is designed to teach the student retailing, economics, and marketing, selling, promotion, and store operation. The course focuses on the management and operational aspects of a retail business. Students will learn the marketing process, characteristics of the marketplace, marketing research, product pricing, new product ideas, marketing institutions, promotions, and career planning.

CAREER PREPARATION I (EXCAREE1) {8502} (4.0) Cr. 3

Grade: 11-12

Career Preparation I provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, job interview techniques, communications skills, financial and budget activities, and creating a resume. **Students are required to find and maintain employment at a training station for the duration of the course.**

CAREER PREPARATION II (EXCAREE2) {8503} (4.0) Cr. 3

Grade: 12

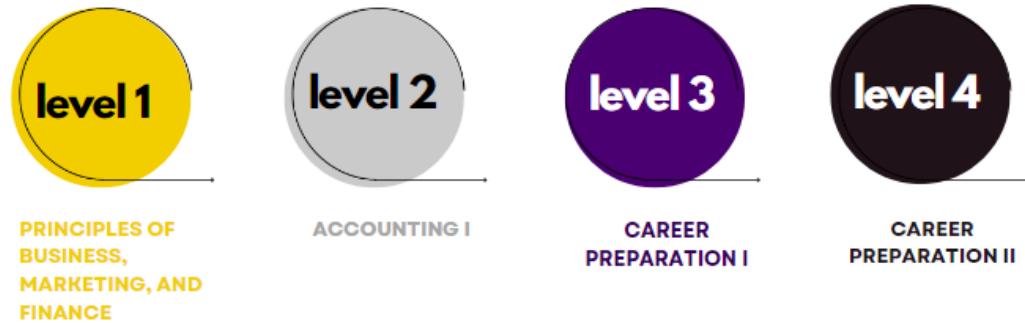
Prerequisite: Career Preparation I

Career Preparation II develops essential knowledge and skills through classroom technical instruction and on-the-job training in an approved business and industry training area. Students will develop skills for lifelong learning, employability, leadership, management, work ethics, safety, and communication as a group; however, each student will have an individual training plan that will address job-specific knowledge and skills. **Students are required to find and maintain employment at a training station for the duration of the course.**

ACADEMY OF BUSINESS, MARKETING, AND FINANCE



Accounting and Financial Services



ACADEMY OF BUSINESS, MARKETING, AND FINANCE



Marketing and Sales



***INDUSTRY BASED CERTIFICATIONS: Accounting and Retail**

ACADEMY OF SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS - (STEM)

The Science, Technology, Engineering, and Mathematics (STEM) Career Cluster focuses on planning, managing, and providing, scientific research and professional and technical services, including laboratory and testing services, and research and development services.

CYBERSECURITY: The Cybersecurity program of study includes the occupations and educational opportunities related to planning, implementing, upgrading, or monitoring security measures for the protection of computer networks and information. This program of study may also include exploration into responding to computer security breaches and viruses and administering network security measures.

FUNDAMENTALS OF COMPUTER SCIENCE I (TACS1) {6601} (4.0) Cr. 1

Grade: 9-12

Fundamentals of Computer Science is intended as a first course for those students beginning the study of computer science. Students will learn about the computing tools that are used every day. Students will foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will learn the problem-solving and reasoning skills that are the foundation of computer science. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations and concepts. This course will explore Scratch, Jeroo, and Python programming languages, as well as robotics.

COMPUTER SCIENCE I (TACS1) {6600} (4.0) Cr. 1

**May satisfy LOTE I credit*

Grade: 10-12

Prerequisite: Fundamentals of Computer Science & Algebra I

Computer Science I will expand skills and knowledge introduced in Fundamentals of Computer Science. This course will focus on building foundational knowledge in the Java Programming Language. Students will engage in individual and peer programming to solve problems and design fun and creative projects.

ADVANCED PLACEMENT COMPUTER SCIENCE A (APTACSA) {6606} (6.0) Cr. 2

**May satisfy LOTE II & Math credit*

Grade: 11-12

Prerequisite: Computer Science I

Advanced Placement Computer Science A will teach students to design and implement computer-based solutions to problems. The course teaches students to use and implement commonly-used algorithms and data structures. Students will select the appropriate algorithms and data structures to solve problems. Students will code fluently in an object-oriented paradigm using the programming language Java. The course teaches students to use elements of the standard Java library from the Advanced Placement Java subset in Appendix A of the Advanced Placement Computer Science A Course Description. The course includes a structured lab component, comprising a minimum of 20 hours of hands-on lab experiences. Students will also recognize the ethical and social implications of computer use. Advanced Placement Computer Science A will allow students the opportunity to obtain college credit by achieving a score of 3, 4, or 5 on the Advanced Placement Computer Science A Exam. *(Check individual university requirements).* **Successful completion of this course earns 1.0 credits for HS Math and 1.0 credits for LOTE.**

COMPUTER SCIENCE II (TACS2) {1316} (4.0) Cr. 1

Grade: 12

Prerequisite: AP Computer Science A

Computer Science II will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will gain an understanding of computer science through the study of technology operations, systems, and concepts.

ENGINEERING: The Engineering program of study focuses on the design, development, and use of engines, machines, and structures. CTE learners will learn how to apply science, mathematical methods, and empirical evidence to the innovation, design, construction, operation, and maintenance of different manufacturing systems.

PRINCIPLES OF APPLIED ENGINEERING (PRAPPENG) {3403} (4.0) Cr. 1

Grade: 9-12

Prerequisite: None

A freshman, full-year curriculum, designed to meet CTE course and TEKS objectives, Principles of Applied Engineering provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields of engineering and will be able to make informed career decisions. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments.

ENGINEERING DESIGN AND PRESENTATION I (ENGDSPIR1) {3404} (4.0) Cr. 1

Grade: 10-12

Prerequisite: Principles of Applied Engineering

Engineering Design and Presentation I is a hands-on, design-based, inquiry-focused engineering course that expands on the knowledge and skills learned in Principles of Applied Engineering. "Students discover the engineering design process, make data-driven decisions, and work in multi-level teams to solve complex challenges. Students also explore mechanical, chemical, civil, electrical, and aerospace engineering through a series of design challenges that illustrate how engineering can improve people's lives and health, meet the special needs of different customer groups, and even enable creativity in the arts" (Engineer Your World - The University of Texas at Austin). This course will allow students to use a variety of computer hardware and software applications to complete assignments and projects.

ENGINEERING DESIGN AND PRESENTATION II (ENGDSPIR2) {3406} (4.0) Cr. 1

Grade: 11-12

Prerequisite: Engineering Design and Presentation I

Engineering Design and Presentation II is a continuation of knowledge and skills learned in Engineering Design and Presentation I. Students enrolled in this course will demonstrate knowledge and skills of the design process as it applies to engineering fields, using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the

design process, students will transfer advanced academic skills to component designs. Emphasis will be placed on using skills from ideation through prototyping.

SCIENTIFIC RESEARCH AND DESIGN (SCIRD) {3405} (4.0) Cr. 1

**May count as a 3rd or 4th Science Credit*

Grade: 11-12

Prerequisite: Engineering Design and Presentation II

Scientific Research and Design is a broad-based course designed to allow districts and schools considerable flexibility to develop local curriculum to supplement any program of study or coherent sequence. The course has the components of any rigorous scientific or engineering program of study from the problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions. All of these components are integrated with the career and technical education emphasis of helping students gain entry-level employment in high-skill, high-wage jobs, and/or continue their education.

ACADEMY OF ENGINEERING, SCIENCE, AND MATH



ENGINEERING



PRINCIPLES OF
APPLIED
ENGINEERING



ENGINEERING DESIGN
AND PRESENTATION I



ENGINEERING
DESIGN AND
PRESENTATION II



SCIENTIFIC
RESEARCH AND
DESIGN II



ACADEMY OF ENGINEERING, SCIENCE, AND MATH



Cybersecurity



FUNDAMENTALS OF
COMPUTER
SCIENCE



COMPUTER
SCIENCE I



ADVANCED
PLACEMENT
COMPUTER
SCIENCE



COMPUTER
SCIENCE II



DUAL CREDIT PROGRAM

Blinn College/La Grange High School

Blinn College will conduct college academic courses for high school students, pursuant to rules and policies of the College, the Texas Higher Education Coordinating Board (THECB), the Southern Association of Colleges and Schools (SACS), the Texas Education Agency (TEA), and the School.

Courses are to be consistent with the educational purpose, mission, and goals of Blinn College; further, Blinn College affirms it has sole and direct control of the educational services being provided.

For subject areas in which the student may participate as a University Interscholastic League (UIL) contestant, the College encourages the School and the students to consult the current Constitution and Contest Rules of the UIL concerning eligibility for course work beyond high school level. Participation in the Dual Credit Program may make some students ineligible for UIL competition in certain academic areas, depending on the course being taken.

The THECB Rules and Regulations, Chapter 9, Subchapter H, Paragraph 9.143(b) authorizes partnerships between secondary schools and public two-year associate degree-granting institutions in which the latter provides instruction to high school students for immediate award of both high school credit and college associate degree credit.

The Higher Education Technical Amendments of 1987 (P.L. 100-50) states, "A student who is enrolled in an elementary or secondary school is not eligible for Title IV assistance for any courses taken at the post-secondary level for the same period" [Compilation of Federal Regulations (CFR)668.7(a)(2)].

Academic Dual Credit at Blinn College

The Academic Dual Credit Program enables high school juniors and seniors to earn credit toward a college degree by enrolling in a college course and to simultaneously satisfy the requirements for high school graduation. Qualified students may attend Blinn College beginning in the summer following their sophomore year with a limit of two (2) college credit courses each semester.

College courses offered for dual credit may be taught at one of the Blinn College campuses or on a high school campus by credentialed instructors, according to criteria established by the Southern Association of Colleges and Schools. (SACS)

College courses offered for dual credit include the same content and rigor as courses taught to other college students. Dual Credit student's permanent records will include both a high school transcript and an official college transcript.

Benefits

Students will:

- Earn transferable college credit hours
- Save time earning a degree
- Save money by graduating from college sooner
- Attend intellectually stimulating classes
- Have access to all Blinn College facilities and Academic Support including advising & counseling

Challenges

- College courses are more demanding
- Classes require strong self-discipline and self-direction
- Failure in a class taken for Academic Dual Credit may affect high school graduation
- Grades affect high school and college GPAs
- Conflicts in college and high school calendars may arise

Admission Requirements

- See your high school counselor to begin the process
- Complete a Blinn College application and Dual Credit forms
- Receive written permission from the high school principal
- Have a “B” or better average in high school academic classes
- Submit an official high school transcript
- Satisfy Texas Success Initiative Assessment (TSIA) requirements

Students must:

- Pass the section(s) of the TSIA that directly relates to the course(s) OR
 - Satisfy exemption criteria as based on ACT, SAT, PSAT, or Eng 2 STAAR/EOC
- Dual credit high school graduates wishing to continue enrollment at Blinn College are required to submit a final high school transcript
- **State of TX law:** All students must show proof of a Bacterial Meningitis Vaccination if attending a class on any college campus <http://www.blinn.edu/immunization.html>
- Upon high school graduation, Dual Credit students wishing to continue enrollment at Blinn College are required to submit a final high school transcript

Cost

- Dual Credit students receive a reduced rate on tuition and fees
- Current tuition and general fees are published on the Blinn College website www.blinn.edu
- Tuition and fee payments are due at registration. Failure to pay by the due date will result in the student being dropped from classes
- Financial aid and scholarships are not currently available to Dual Credit students
- The College uses the same textbooks at School locations as the ones used for the identical on-campus course (consistent with the instructor’s assigned campus). Students are responsible for the procurement of their textbooks

Grades

- Final letter grades are posted myBLINN. Grades will not be mailed out
- There are no midterm grades
- Number grades are provided to the high school at the end of the semester
- Under Federal law parents cannot access student grades without proper documentation on file

ACADEMIC DUAL CREDIT COURSES OFFERED 2023-2024

BLINN ID	BLINN COURSE NAME	LHS ID	LHS COURSE NAME
ECON 2301	Principles of Economics (Macro)	ECO FE 4501	Economics Dual Credit
ENGL 1301	Composition & Rhetoric	ENG4 1408	English IV Dual Credit
ENGL 1302	Composition & Introduction of Lit	ENG4 1408	English IV Dual Credit
HIST 1301	History of the U.S. I	USHIST 4105	US History Dual Credit
HIST 1302	History of the U.S. II	USHIST 4105	US History Dual Credit
GOVT 2305	American Government – Federal	GOVT 4401	US Government Dual Credit
SPCH 1315	Public Speaking	COMMAPP 1315	Communication Applications
MATH 1324	Mathematics for Business & Social Sciences I	MATH 1324	Independent Study in Mathematics I
MATH 1325	Calculus for Business & Social Sciences	MATH 1325	Independent Study in Mathematics II

For a class to be offered, fifteen (15) students must register for a class at a specific time. If this requirement is not met, the student has the option of taking it online. Note on Economics and Speech Courses: Be sure to check the college catalog/requirements to determine if economics is necessary for the student’s degree plan.

TECHNICAL DUAL CREDIT (Blinn)

LAW ENFORCEMENT I (LAWENF1) {6608} (4.0) Cr. 1
Grade: 10-12

Fall Semester Course
*Associated Enrollment Cost (Blinn College)

This course is an overview of the history, organization, and functions of local, state, and federal law enforcement. Students will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime.

CRIMINAL INVESTIGATION (CRINVEST) {6609} (4.0) Cr. 1
Grade: 10-12

Spring Semester Course
*Associated Enrollment Cost (Blinn College)

This course is an overview of the history, organization, and functions of criminal investigation. Students will be introduced to the profession of criminal investigations and the basic functions of criminal investigations and procedures. Students will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation.

MEDICAL TERMINOLOGY (MEDTERM) {6806} (4.0) Cr. 1
Grade: 11-12

Online Semester Course (Fall or Spring)
*Associated Enrollment Cost (Blinn College)

This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human A&P, and pathophysiology.

WORKFORCE EDUCATION PROGRAM (Blinn)

HEALTH SCIENCE THEORY I/CERTIFIED NURSE AIDE (HLTHSCI) {6802} (4.0) Cr. 1
Grade: 10-12

*Associated Enrollment Cost (Blinn College)

This course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. Additionally, students will gain skills to recognize, learn to reason, think critically, make decisions, solve problems, communicate effectively and gain insight on the premises that quality health care depends on the ability to work well with others.

TECHNICAL DUAL CREDIT COURSES OFFERED 2023-2024

BLINN ID	BLINN COURSE NAME	LHS ID	LHS COURSE NAME
CRIJ 1301	Law Enforcement I	LAWENF1 6608	Law Enforcement I
CRIJ 1307	Crime in America	CRINVEST 6609	Criminal Investigation
HITT 1305	Medical Terminology	MEDTERM 6806	Medical Terminology

WORKFORCE EDUCATION COURSES OFFERED 2023-2024

BLINN ID	BLINN COURSE NAME	LHS ID	LHS COURSE NAME
----------	-------------------	--------	-----------------

CORRESPONDENCE COURSES & CREDIT BY EXAMINATION

High school students are eligible to take correspondence courses or credit by examination and earn credit toward graduation. Prior to enrollment in correspondence courses or credit by examination, students shall make request to the principal or counselor for approval to enroll in the course or take the exam. Students shall not be awarded credit toward graduation if approval was not granted prior to enrollment. Credit-by-exams are free if taken within the four published timeframes by the district. Ample notice should be given to the counselor. A fee is charged for each credit-by-exam that is not taken within one of the published timeframes.

The High School Counselor supervises the correspondence and credit by exam programs.

Grades earned in correspondence courses or credit by exam shall be used in computing class rankings at the basic course level.

Seniors who are enrolled in correspondence courses or taking credit by exam to earn units required for graduation shall complete the course or exam and submit the grade for recording at least three weeks prior to the graduation date in order to be eligible for graduation at the end of the term and participate in graduation ceremonies.

Credit toward state graduation requirements will be granted only under the following conditions:

- The institution offering the course or exam is The University of Texas at Austin, Texas Tech University, or other public institution of higher education approved by the commissioner of education.
- The correspondence course or exam includes the state-required TEKS for such a course.
- The specified course has been approved by the commissioner of education.

Passing standards for credit by exam:

- Prior instruction with at least a 60 average--a Grade of 70.
- No prior instruction--Grade of 80.

GRADUATION REQUIREMENTS AND OTHER CONSIDERATIONS

Colleges, universities, the military, technical schools and the workforce are looking for well-rounded students. In addition to choosing a strong academic program, it is important that students select activities that will complement their interests and talents and to realize extra-curricular activities require a high level of commitment of time, organization, and energy. During the school week, Monday through Thursday, students are allowed to practice 8 hours outside the school day and participate in one competition per extracurricular activity. Additional practice and competitions are possible on Friday after school and on Saturday.

Because of the broad range of courses that may be selected under the Multidisciplinary Endorsement, it is recommended that students pursue the Multidisciplinary Endorsement. Students have the flexibility within this endorsement to prepare for post-secondary education or the workforce. All career pathways fall into the Multidisciplinary Endorsement area. Depending on electives, additional endorsements may be earned.

Students are highly encouraged to check with the National Collegiate Athletic Association (NCAA) if pursuing athletic aspirations because not all Texas Education Agency (TEA) courses are NCAA approved.

All graduates of La Grange High School are awarded the same type of diploma. The students' transcript, rather than the diploma, will reflect individual accomplishments, achievements and courses completed.

A student must earn 26 credits for graduation.

CAUTION NOTE: The school cannot assume full responsibility for the proper choice of subjects for either the students' graduation or college entrance. The student should carefully check the local graduation requirements and check the catalog of the college he/she plans to attend before choosing courses. The school counselor and other faculty members will be glad to counsel with the student concerning his/her program.

THE FOUNDATION PLAN

(The graduation plan for LHS students entering high school beginning 2014-15)

****All students will take all courses in The Foundation Plan**

English Language Arts	Math	Science	Social Studies	LOTE (Languages other than English)	PE	Fine Arts	Electives	Credits
4 Credits	4 Credits	4 Credits	4 Credits	2 Credits (same language)	1 Credit	1 Credit	6.0 Credits	26 Credits
*English I	*Algebra I	*Biology	*World Geography	Spanish I or German I	PE	Art	5.5 additional credits needed	
*English II	*Geometry	*Chemistry	*World History	Spanish II or German II	Athletics	Band	plus	
*English III	**Advanced Math	**Advanced Science	*US History		Band - substitute	Theater Arts	.5 credit of Professional Communications as required by LGHS	
*English IV	**Advanced Math	**Advanced Science	*Government *Economics					

*AP, Honors, or Dual Credit options available.

If Algebra I is taken in 8th grade select Accelerated Algebra, Geometry or Geometry Honors as the first math course, but 4 credits of Math are needed in high school to meet La Grange High School Graduation Requirements.

** Advanced MATH Courses		** Advanced SCIENCE Courses	
Algebraic Reasoning or Mathematical Models		Advanced Animal Science	AP Physics
Algebra II or Algebra II Honors		Anatomy & Physiology	AP Chemistry
Pre-Calculus or Pre-Calculus Honors		AP Biology	Environmental Systems
AP-Calculus		Physics	Principles of Technology
Dual Credit Math - Mathematics/Calculus for Business & Social Sciences (online course)			

5 Endorsement Areas

1	Business & Industry
2	STEM (Science, Technology, Engineering, Math)
3	Arts & Humanities
4	Multidisciplinary
5	Public Services

BUSINESS AND INDUSTRY ENDORSEMENT

FOUNDATION PLAN

English Language Arts	Math	Science	Social Studies	LOTE (Languages other than English)	PE	Fine Arts	Electives	Credits
4 Credits	4 Credits	4 Credits	4 Credits	2 Credits (same language)	1 Credit	1 Credit	6.0 Credits	26 Credits
*English I	*Algebra I	*Biology	*World Geography	Spanish I or German I	PE	Art	5.5 additional credits needed plus .5 credit of Professional Communication as required by LGHS	
*English II	*Geometry	*Chemistry	*World History	Spanish II or German II or Comp Sci I	Athletics	Band		
*English III	**Advanced Math	**Advanced Science	*US History	AP Comp Sci A	Band - substitute	Theater		
*English IV	**Advanced Math	**Advanced Science	*Government *Economics					

Examples of BUSINESS AND INDUSTRY ENDORSEMENT PATHWAYS

Agriculture	Construction	Manufacturing	A/V Technology	Marketing
Foundation Plan with elective courses in sequential order	Foundation Plan with elective courses in sequential order	Foundation Plan with elective courses in sequential order	Foundation Plan with elective courses in sequential order	Foundation Plan with elective courses in sequential order
1.Principles of Agriculture	1.Principles of Construction	1.Principles of Architecture	1. Principles of A/V Technology	1.Principles of Business, Marketing & Finance
2.Wildlife and Fisheries	2.Construction Technology I	2.Introduction to Welding	2. Graphic Design & Illustration I	2.Sports & Entertainment Marketing/Advertising
3.Landscaping/Small Animal Management	3.Construction Technology II	3.Welding I	3. A/V Production I	3.Accounting or Career Prep I
4.Advanced Animal Science	4.Practicum Const. Tech.	4. Welding II	4. A/V Production II	4.Career Preparation I or II

STEM ENDORSEMENT

FOUNDATION PLAN

English Language Arts	Math	Science	Social Studies	LOTE (Languages other than English)	PE	Fine Arts	Electives	Credits
4 Credits	4 Credits	4 Credits	4 Credits	2 Credits (same language)	1 Credit	1 Credit	6.0 Credits	
*English I	*Algebra I	*Biology	*World Geography	Spanish I or German I	PE	Art	5.5 additional credits needed plus .5 credit of Professional Communication as required by LGHS	26 Credits
*English II	*Geometry	*Chemistry	*World History	Spanish II or German II	Athletics	Band		
*English III	*Algebra II	*Physics	*US History		Band - substitute	Theater		
*English IV	**Advanced Math	**Advanced Science	*Government *Economics					

*AP, Honors, or Dual Credit options available.

**See "The Foundation Plan" for a list of Advanced Math and Science Courses

Examples of STEM (SCIENCE, TECHNOLOGY, ENGINEERING AND MATH) ENDORSEMENT PATHWAYS

*ALGEBRA II, CHEMISTRY AND PHYSICS are required for both STEM Math and STEM Science

STEM Math	STEM Science
Foundation Plan with 1 additional Math elective	Foundation Plan with 1 additional Science elective
•Pre-Calculus or Pre-Calculus Honors	•AP Chemistry
•AP Calculus	•AP Physics
•Dual Credit Math Courses	•Scientific Research & Design
	•Environmental Systems

*Algebra I taken in 8th grade counts toward high school Math credit, but Math Models would not be allowed in the sequence of math courses for STEM Math or Science Endorsement.

ARTS & HUMANITIES ENDORSEMENT

FOUNDATION PLAN

English Language Arts	Math	Science	Social Studies	LOTE (Languages other than English)	PE	Fine Arts	Electives	Credits
4 Credits	4 Credits	4 Credits	4 Credits	2 Credits (same language)	1 Credit	1 Credit	6.0 Credits	
*English I	*Algebra I	*Biology	*World Geography	Spanish I or German I	PE	Art	5.5 additional credits needed plus .5 credit of Professional Communication as required by LGHS	26 Credits
*English II	*Geometry	*Chemistry	*World History	Spanish II or German II	Athletics	Band		
*English III	**Advanced Math	**Advanced Science	*US History		Band - substitute	Theater		
*English IV	**Advanced Math	**Advanced Science	*Government *Economics					

*AP, Honors, or Dual Credit options available.

**See "The Foundation Plan" for a list of Advanced Math and Science Courses

Examples of ARTS & HUMANITIES ENDORSEMENT PATHWAYS

Social Studies	LOTE	Fine Arts
Foundation Plan with the following elective courses	Foundation Plan with Languages other than English	Foundation Plan with elective courses in sequential order
<ul style="list-style-type: none"> Psychology & Sociology 	OPTION 1: <ul style="list-style-type: none"> 4 levels of same LOTE <ul style="list-style-type: none"> * German I, II, III, IV or * Spanish I, II, III, IV OPTION 2: <ul style="list-style-type: none"> 2 levels of two LOTE's <ul style="list-style-type: none"> * German I, II and Spanish I, II 	1. Band I 2. Band II 3. Band III 4. Band IV ADDITIONAL OPTION: 2 credits each from Band or Art.

MULTIDISCIPLINARY ENDORSEMENT

FOUNDATION PLAN

English Language Arts	Math	Science	Social Studies	LOTE (Languages other than English)	PE	Fine Arts	Electives	Credits
4 Credits	4 Credits	4 Credits	4 Credits	2 Credits (same language)	1 Credit	1 Credit	6.0 Credits	
*English I	*Algebra I	*Biology	*World Geography	Spanish I or German I	PE	Art	5.5 additional credits needed plus .5 credit of Professional Communications as required by LGHS	26 Credits
*English II	*Geometry	*Chemistry	*World History	Spanish II or German II	Athletics	Band		
*English III	**Advanced Math	**Advanced Science	*US History		Band - substitute	Theater		
*English IV	**Advanced Math	**Advanced Science	*Government *Economics					

*AP, Honors, or Dual Credit options available.

**See "The Foundation Plan" for a list of Advanced Math and Science Courses

MULTI-DISCIPLINARY ENDORSEMENT PATHWAYS

4X4 (4 English, 4 Math, 4 Science and 4 Social Studies)	4 credits from AP or Dual Credit courses
Foundation Plan	4 Credits in Advanced Placement or Dual Credit selected from English, Math, Science, Social Studies or Economics

PUBLIC SERVICE ENDORSEMENT

FOUNDATION PLAN

English Language Arts	Math	Science	Social Studies	LOTE (Languages other than English)	PE	Fine Arts	Electives	Credits
4 Credits	4 Credits	4 Credits	4 Credits	2 Credits (same language)	1 Credit	1 Credit	6.0 Credits	
*English I	*Algebra I	*Biology	*World Geography	Spanish I or German I	PE	Art	5.5 additional credits needed plus	
*English II	*Geometry	*Chemistry	*World History	Spanish II or German II	Athletics	Band	.5 credit of Professional Communication as required by LGHS	26 Credits
*English III	**Advanced Math	**Advanced Science	*US History		Band - substitute	Theater		
*English IV	**Advanced Math	**Advanced Science	*Government *Economics					

*AP, Honors, or Dual Credit options available.

**See "The Foundation Plan" for a list of Advanced Math and Science Courses

Examples of PUBLIC SERVICE ENDORSEMENT PATHWAYS

Human Services	
Foundation Plan with elective courses in sequential order	Foundation Plan with elective courses in sequential order
1.Principles of Human Services	1.Principles of Human Services
2.Lifetime Nutrition & Wellness/Dollars & Sense	2.Child Development
3.Cosmetology I	3.Career Preparation I
4.Cosmetology II	4.Career Preparation II

TESTING

A comprehensive testing program has been planned for all high school students not only to evaluate their progress and achievement but also to provide information concerning interests and aptitudes, which is helpful in planning post-secondary schooling and/or career choices.

STATE MANDATED TESTING REQUIREMENTS FOR GRADUATION

State of Texas Assessments of Academic Readiness (STAAR) End of Course for:
English I, English II, Algebra I, Biology, and U. S. History

RECOMMENDED EXAM OFFERED TO HIGH SCHOOL STUDENTS

Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test—PSAT/NMSQT(optional) This test is recommended for students planning to attend college. It is a practice for the SAT and provides students with a prediction of their SAT scores. This test is administered in October. Students are only eligible for National Merit Scholarship consideration during their junior year. College-intending sophomore students are encouraged to take the exam during the tenth-grade to become familiar with the test and testing procedures.

EXAM INFORMATION AVAILABLE TO HIGH SCHOOL STUDENTS

College Entrance Exams – SAT and/or ACT – Juniors are encouraged to take the entrance exams in the spring semester of their junior year. Students who wish to apply for early decision admission to some of the more competitive colleges should complete all test requirements, including SAT, by the June test date between their junior and senior year in high school. LHS will offer one free SAT School Day testing opportunity during the student's junior year. Students that took Algebra I in the 8th grade will be registered their Junior year for the SAT School Day at LHS to meet Accelerated Testing Requirements. Students who did not take the exams in their junior year should take the test on one of the early test dates in the fall of their senior year. Students should refer to testing calendars published annually. See college entrance requirements.

Advanced Placement (AP) Exams of the College Board - La Grange ISD offers students the opportunity to participate in the College Board's Advanced Placement program by offering specific courses designated to prepare students for the Advanced Placement exams which are given each May. Based on their scores, students may earn college hours for each Advanced Placement exam. Policies vary among colleges. Check individual university requirements.

Texas Success Initiative Assessment (TSIA) – the TSIA is required for all students who enter a Texas state-supported college or university or take a dual credit course while in high school. Students must take the test by the time they enroll in a college course. Students who do not pass will be required to take developmental courses and will be given the opportunity to retake the exam. In some instances, students may be exempt from the TSIA providing they score high enough on the SAT, or ACT. Students requesting to take high school dual credit courses may exempt TSIA requirements if they score high enough on the PSAT or STAAR/EOC English II/Algebra I exams. It should be noted that many colleges use these scores as placement guidelines for freshman courses. This test is given on college campuses. Additionally, LHS does administer the TSIA. Registration information may be obtained in the high school counselor's offices.

LHS COURSE WEIGHT DISTRIBUTION

(For Ranking Purposes Only)

HONORS (Weight--6.0)

English I Honors
English II Honors
AP Eng Lang & Composition
AP Eng Lit & Composition
Geometry Honors
Algebra II Honors

AP Precalculus
AP Calculus AB
World Geography Honors
AP World History: Modern
AP U.S. History
Biology Honors

Chemistry Honors
AP Chemistry
AP Physics 1: Algebra Based
AP Biology
AP Computer Science A

ACCELERATED (Weight--5.0)

Adv Journalism: Yearbook I & II
Advanced Algebra I
Pre-Calculus

Anatomy & Physiology
German III & IV
Spanish III & IV

Physics
Dual Credit Academic Courses
Calculus

REGULAR (Weight--4.0)

English I, II, III & IV
Journalism
Reading I, II & III
Algebra I & II
Geometry
Mathematical Models
Strategic Learning for HS Math
World Geography Studies
World History Studies
U.S. History Studies since 1877
US Government
Economics
Sociology
Psychology
Personal Financial Literacy

Biology
Integrated Physics & Chemistry
Chemistry
Environmental Systems
Advanced Animal Science
Principles of Technology
German I & II
Spanish I & II
Art I, II, III, & IV
Music Appreciation 1
Professional Communications
Health Education
Sports Medicine I & II
Fund. of Computer Science
Computer Science I & II

Graphic Design & Illustration
Prin of Audio/Video Production
Audio/Video Production I & II
Accounting I
Ag Science Courses
Construction Courses
Manufacturing Courses
Family/Consumer Sci. Courses
Business/Marketing Courses
Career Prep I/II
Cosmetology I & II
Sci, Tech, Eng & Math (STEM)
Blinn Workforce Courses

Dual Credit Technical Courses

BASIC (Weight 3.0)

Sp. Ed. w/ Reduced TEKS
CT Mastery w/ Reduced TEKS
Correspondence Courses

Credit by Exam Courses
Summer School Classes
GradPt Courses

Credit Recovery Classes
Online Courses

EXEMPT COURSES

The following courses are exempt for the no pass, no play rule of the University Interscholastic League (UIL). If a student fails one of these courses for a six week period, they remain eligible to participate in extracurricular activities. However, the course must be passed for the semester with a 70 or above average in order to receive credit for the class. The courses are:

English I Honors
English II Honors
English III AP
English IV AP
Biology Honors
Biology AP

Chemistry Honors
Chemistry AP
Physics AP
World Geography Honors
World History: Modern AP
US History AP

Geometry Honors
Algebra II Honors
Precalculus AP
Calculus AP
Computer Science AP
Dual Credit Academic Classes

EARLY GRADUATION

Any student wanting to graduate early should declare their intent with a school counselor in order that a program can be devised for the early graduation. The student will need to present a letter to the high school principal, signed by his/her parent(s), regarding intentions for early graduation. Early graduates must complete all requirements of the foundation plan plus an endorsement to be considered for early graduation.

Students who graduate at the end of the first semester of their senior year may participate in the May graduation ceremony. Grade point average for mid-term graduates will be treated in the same manner as May graduates in so far as class rank and class honors are concerned.

RANK GPA					COLLEGE GPA		
	AP and HONORS	ACCELERATED/DUAL CREDIT	REGULAR	BASIC			
GRADE ON TRANSCRIPT	GPA POINTS AWARDED	GPA POINTS AWARDED	GPA POINTS AWARDED	GPA POINTS AWARDED	GRADE ON TRANSCRIPT	GPA POINTS AWARDED	GPA POINTS AWARDED
100	6	5	4	3	100	4	4
99	5.9	4.9	3.9	2.9	99	4	4
98	5.8	4.8	3.8	2.8	98	4	4
97	5.7	4.7	3.7	2.7	97	4	4
96	5.6	4.6	3.6	2.6	96	4	4
95	5.5	4.5	3.5	2.5	95	4	4
94	5.4	4.4	3.4	2.4	94	4	4
93	5.3	4.3	3.3	2.3	93	4	4
92	5.2	4.2	3.2	2.2	92	4	4
91	5.1	4.1	3.1	2.1	91	4	4
90	5	4	3	2	90	4	4
89	4.9	3.9	2.9	1.9	89	3	3
88	4.8	3.8	2.8	1.8	88	3	3
87	4.7	3.7	2.7	1.7	87	3	3
86	4.6	3.6	2.6	1.6	86	3	3
85	4.5	3.5	2.5	1.5	85	3	3
84	4.4	3.4	2.4	1.4	84	3	3
83	4.3	3.3	2.3	1.3	83	3	3
82	4.2	3.2	2.2	1.2	82	3	3
81	4.1	3.1	2.1	1.1	81	3	3
80	4	3	2	1	80	3	3
79	3.9	2.9	1.9	0.9	79	2	2
78	3.8	2.8	1.8	0.8	78	2	2
77	3.7	2.7	1.7	0.7	77	2	2
76	3.6	2.6	1.6	0.6	76	2	2
75	3.5	2.5	1.5	0.5	75	2	2
74	3.4	2.4	1.4	0.4	74	2	2
73	3.3	2.3	1.3	0.3	73	2	2
72	3.2	2.2	1.2	0.2	72	2	2
71	3.1	2.1	1.1	0.1	71	2	2
70	3	2	1	0.1	70	2	2
69	2.9	1.9	0	0	69	0	0

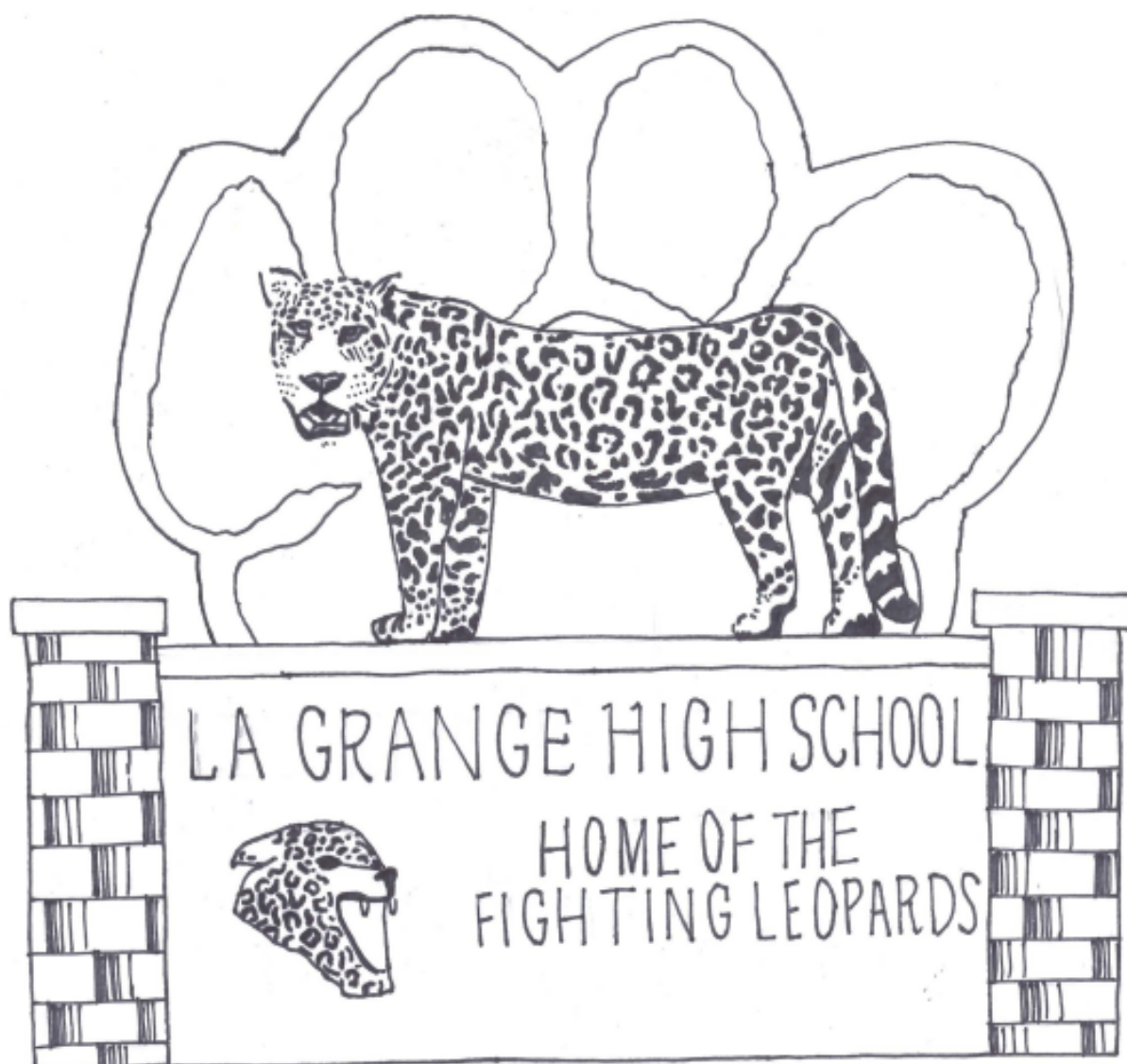
EXAMPLE

STUDENT TAKING REGULAR CLASSES			
	TRANSCRIPT GRADE	RANK	COLLEGE GPA
4.0 ENGLISH	92	3.2	4
4.0 MATH	95	3.5	4
4.0 HISTORY	98	3.8	4
4.0 SCIENCE	100	4	4
4.0 FINE ART/ELECTIVE	95	3.5	4
4.0 FOREIGN LANGUAGE	90	3	4
PE/ATHLETICS/BAND	100	N/A	N/A
TOTAL		21	24
DIVIDE BY		6	6
GPA		3.5	4

STUDENT TAKING ADVANCED CLASSES			
	TRANSCRIPT GRADE	RANK POINTS	COLLEGE GPA
6.0 ENGLISH	68	2.8	0
6.0 MATH	79	3.9	2
6.0 HISTORY	70	3	2
6.0 SCIENCE	85	4.5	3
4.0 FINE ART/ELECTIVE	95	3.5	4
4.0 FOREIGN LANGUAGE	90	3	4
PE/ATHLETICS/BAND	100	N/A	N/A
TOTAL		20.7	15
DIVIDE BY		6	6
GPA		3.45	2.5

COURSE NAME	9 th Gr.	10 th Gr.	11 th Gr.	12 th Gr.	Course ID#
X-represents when a course is recommended to be taken at a specific grade level					
Accounting I			X	X	6200
Advanced Algebra I	X				2106
Advanced Journalism: Yearbook I			X	X	1801
Advanced Journalism: Yearbook II				X	1802
Advanced Animal Science			X	X	7703
Advanced Floral Design			X	X	8106
Advertising		X	X	X	6401
Algebra I	X				2100
Algebra II			X	X	2300
Algebra II Honors		X	X		2302
Anatomy and Physiology			X	X	3205
AP Biology			X	X	3402
AP Calculus AB				X	2500
AP Chemistry			X	X	3302
AP Computer Science A			X	X	6606
AP English Language and Composition (Eng. 3 AP)			X		1302
AP English Literature and Composition (Eng. 4 AP)				X	1402
AP Physics 1: Algebra Based <i>not offered 2023-2024</i>			X	X	3502
AP US History			X		4102
AP World History: Modern		X			4302
Art 1	X	X	X	X	1900
Art 2		X	X	X	1901
Art 3			X	X	1902
Art 4				X	1903
Athletics – Boys - 9	X				9200
Athletics – Boys - 10		X			9201
Athletics – Boys - 11			X		9202
Athletics – Boys - 12				X	9203 yr/9208 fall
Athletics - Girls-9	X				9100
Athletics – Girls - 10		X			9101
Athletics – Girls- 11			X		9102
Athletics – Girls - 12				X	9103
Audio/Video Production I			X	X	6300
Audio/Video Production II				X	6301
Band 1	X				9500
Band 2		X			9501
Band 3			X		9502
Band 4				X	9503
Biology	X				3200
Biology Honors	X				3202
Calculus (non-AP)				X	2103
Career Preparation I			X	X	8502
Career Preparation II				X	8503
Chemistry		X	X		3300
Chemistry Honors		X	X		3301
Child Development		X	X	X	7205
Child Guidance			X	X	7206
Computer Science I		X	X	X	6600
Computer Science II				X	1316
Construction Technology I		X	X	X	8601
Construction Technology II			X	X	8603
Cosmetology I			X		8101
Cosmetology II				X	8102

Dual Credit Math				X	1324/1325
COURSE NAME	9th Gr.	10th Gr.	11th Gr.	12th Gr.	COURSE ID#
Dual Credit Speech: Communication Applications			X	X	1315
Economics				X	4500
Economics Dual Credit				X	4501
Engineering Design and Presentation I		X	X	X	3404
Engineering Design and Presentation II			X	X	3406
English I	X				1100
English I Honors	X				1102
English II		X			1200
English II Honors		X			1202
English III			X		1300
English IV				X	1400
English IV – Dual Credit				X	1408
Environmental Systems			X	X	3150
Equine Science		X	X	X	7702
Floral Design		X	X	X	8105
Fundamentals of Computer Science	X	X	X	X	6601
Geometry		X	X	X	2200
Geometry Honors	X	X			2202
German I	X	X	X	X	5100
German 2		X	X	X	5200
German 3			X	X	5203
German 4				X	5204
Graphic Design and Illustration I		X	X	X	3408
Health		X	X	X	6800
Health Science Theory/Cert. Nurse Aide			X	X	6802
Instructional Practices			X	X	7207
Integrated Physics & Chemistry		X	X	X	3100
Introduction to Cosmetology			X		8100
Introduction to Welding		X	X	X	7804
Journalism		X	X	X	1805
Law Enforcement I Technical Dual Credit		X	X	X	6608
Mathematical Models				X	2150
Medical Terminology Technical Dual Credit			X	X	6806
Music Appreciation I		X	X	X	9490
PE: Lifetime Recreation and Outdoor Pursuits - Boys/Girls (2025-26)	X	X	X	X	9310
PE: Skill-Based Lifetime Activities - Boys/Girls (2023-24)	X	X	X	X	9320
PE: Lifetime Fitness and Wellness Pursuits Boys/Girls (2024-2025)	X	X	X	X	9330
Personal Financial Literacy			X	X	6210
Physics			X	X	3500
Practicum in Construction Technology				X	8605
Practicum in Early Learning				X	7208
Practicum in Education & Training				X	7209
Pre-Calculus			X	X	2400
Pre-Calculus Advanced Placement			X	X	2402
Principles of Agriculture Food & Natural Science	X	X	X	X	7300
Principles of Applied Engineering	X	X	X	X	3403
Principles of Architecture	X	X	X	X	8600
Principles of Audio/Video Production	X	X	X	X	6405
Principles of Business, Marketing, and Finance	X	X	X	X	7301
Principles of Construction	X	X	X	X	8602
Principles of Human Services	X	X	X	X	7100



pathways

2023-2024