



Luling High School

Course Catalog **2017-2018**

ADMINISTRATIVE TEAM AND OFFICE STAFF

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NON-DISCRIMINATORY STATEMENT

It is the policy of Luling Independent School District not to discriminate on the basis of race, color, national origin, sex or handicap in any programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

For information about your rights, or grievance procedures, contact the LISD Assistant Superintendent, 212 E. Bowie St., Luling, Texas 78648.

Es norma de Luling Independent School District de no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades, tal como lo requieren el Título VI 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.

*** The contents of the Luling High School Course Guide are subject to change based on legislative updates, the current fiscal status of the school district, and other factors.

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ACADEMIC PROGRAMS

Core Academics

Core academic classes provide instruction in all state-mandated Texas Essential Knowledge and Skills (TEKS) through the Board approved LISD curriculum requirements. The TEKS identify what Texas students should know and be able to do at every grade and in every course. The State Board of Education has adopted the TEKS as they standard curriculum for all Texas schools. Core academic classes provide a solid education for students as they prepared to enter post-secondary education, technical job preparation programs and /or the workforce. The Texas Education Code requires students to master the TEKS in English Language Arts/Reading, Mathematics, Science, Social Studies, and PE. The TEKS curriculum is measured in the core academic classes through the students' performance on the state-mandated Texas Assessment of Knowledge and Skills (TAKS) and/or the STAAR End-of-Course exams. Learning in the cored academic classes focuses on comprehension, application, analysis, and synthesis of subject area content, processes, and skills.

Pre-Advanced Placement (Pre-AP) and Advanced Placement (AP) Courses

The Advanced Placement Program, sponsored by the College Board, offers students an opportunity to take college-level courses in high school. If students take AP exams and score in an acceptable range, advanced placement credit may be awarded upon college entrance. Students should contact directors of admissions at colleges of their choice to ask about specific advanced placement policies. The student must pay for costs of the exams. For further information on how much credit is offered at various schools, visit: <http://www.collegeboard.com/ap/creditpolicy>.

Students are encouraged to enroll in courses that prepare them for college or future educational endeavors. In order to be successful, students enrolled in Pre-AP/AP courses must meet the following guidelines:

- Maintain an overall grade average of 80 or better in the content related course during the previous year
- Satisfactorily passed the state assessment in the content area for which Pre-AP/AP acceptance is requested
- Obtain recommendation from prior teacher in the content area for which Pre-AP/AP acceptance is requested

Summer projects may be required and must be completed prior to the due date as assigned by the teacher. The district reserves the right to remove students from Pre-AP/AP courses after any six-weeks in which the student's grade averages fall below a 70.

Examination for Acceleration

Examination for Acceleration or Credit-by-Exam (without prior instruction) Policy EHDC allows students without prior instruction to earn course credit by scoring 80% or better on each examination. The actual score is entered on the student's transcript but not included in the GPA. Tests are administered during the summer at district cost, and students must be tested at the specified time. If parents choose not to wait until the next district testing date, they may contact the University of Texas Continuing and Extended Distance Education Center or Texas Tech Distance Learning and pay the fees to have the tests administered at their convenience. Students or parents interested in more information concerning the tests, eligibility, or qualifications for credit should contact the Luling ISD Assistant Superintendent at 875-3191.

Credit by Examination

Credit by Examination may be administered to a student who has sufficient prior formal instruction as determined by the district on the basis of a review of the student's educational records. A student may not use this examination to regain eligibility to participate in extracurricular activities. To receive credit, a student shall earn a grade of 70 or above on the examination. These exams may be obtained for a fee from the University of Texas or Texas Tech Distance Learning. See campus counselor for more information.

Dual Credit and Co-Enrollment Courses – Early College Start

Luling High School students may enroll at Austin Community College (ACC) while completing their high school education. Students may earn dual credit (both college and high school credit) for classes. Students should speak with their counselor to determine which classes are eligible for dual credit. Dual credit courses are considered a part of the student's high school class schedule. Dual credit courses are weighted appropriately according to the GPA table found in this catalog. Students must meet college readiness criteria in order to enroll in dual credit courses. Students interested in concurrent or dual enrollment must meet ACC concurrent enrollment and regular admission requirements and are responsible for all laboratory fees and textbook expenses. The dual credit course will be entered into the student's schedule and that grade will count toward GPA and class rank. The concurrent ACC class, one that does not count for high school credit, will not be entered on the student's schedule or transcript nor will it count for GPA. Other

conditions and restrictions apply to dual credit enrollment courses. There are no limits to the total number of credits a student may acquire by dual credit courses. ACC limits students to take only 2 classes per semester unless special permission is granted.

Summer School

Certain courses are offered during summer school for credit recovery and/or STAAR-EOC remediation. Selected students, based upon their performance on their most recent STAAR-EOC tests, should enroll in summer school. The number of students enrolled determines the actual courses offered. Contact the campus principal's office for more information. Courses taken during summer school are counted for credit only and are recorded as a P (Pass) or F (Fail).

Career and Technology Education

Enrollment in career and technology education courses is open to all qualified students without regard to race, color, creed, religious affiliation, sex, or handicapping conditions. Each student enrolled in a career and technology education course shall have the opportunity to participate in a youth leadership training organization appropriate to the course in which he/she is enrolled.

Gifted and Talented (GT) Program

Identified GT students are served through group and individualized instruction in the advanced and AP classroom. All students who have previously been identified gifted are admitted into the program. Teachers, parents, or students may nominate students for the program. Nominated students will have the option to participate in assessment to determine eligibility for the program according to district guidelines.

English As A Second Language Program (ESL)

It is the policy of the State of Texas that students, who are identified as Limited English Proficient (LEP), shall be provided a full opportunity to participate in an English as a Second Language (ESL) program. The ESL program shall emphasize the mastery of English language skills as well as mathematics, science, and social studies to enable LEP students to participate equitably in school. LEP students receive TEKS-based curriculum utilizing individualized instructional approaches such as sheltered instruction in the core academic classes. Luling High School has an ESL class that is part of the English Language Arts/Reading Department in which LEP students receive instructional support based upon recommendations from the Limited English Proficiency Committee (LPAC).

Special Education Services (SpEd)

Luling ISD has the responsibility for providing educational and related services to students in the least restrictive environment, and students with disabilities have the opportunity to participate in educational programs and activities with students without disabilities. If a student has, or is suspected of having, a disability or requires special services, parents, teachers, administrators or any other district employee should contact the building administrator or counselor for information concerning available programs, assessments, and services. The school district curriculum provides each student with disabilities the opportunity to acquire knowledge and skills in the areas of learning comparable with the student's needs and abilities. These skills may be attained in the general program of instruction or through special education instruction and related services, as determined by the Admission, Review, and Dismissal Committee (ARDC). Students with disabilities shall have available an instructional day comparable with that of students without disabilities. The ARD committee shall determine the appropriate instructional setting and length of day for each student, and these shall be specified in the student's Individual Educational Plan (IEP). The secondary program of a student receiving special education services shall terminate either with the student no longer qualifying for services, graduation or when the student no longer meets the age requirement for eligibility. Graduation constitutes a release from services and is a change in placement.

Section 504 Services

Section 504 of the Rehabilitation Act prohibits discrimination and assures that disabled students have educational opportunities and benefits equal to those provided to non-disabled students. Eligible students have a record of, or are regarded as having a physical or mental impairment which substantially limits one or more major life activities including functions such as learning, self-care, walking, seeing, hearing, speaking, breathing, working, eating, sleeping, standing, lifting, bending, reading, concentrating, thinking, communicating and performing manual tasks. In order to receive services, even if the students have physical or mental impairment, there must be substantial limitation on a major life activity; i.e. a serious problem requiring accommodations within the school. If a student has or is suspected of having a disability or requires special services, parents, teachers, administrators or any other district employee should contact the building administrator or counselor for information concerning available programs, assessments, and services

Dyslexia Services

LISD offers services for students, who after participating in a screening process, are identified as dyslexic. The dyslexia services are designed to provide comprehensive reading, writing, and spelling instruction for students who have been identified with dyslexia. The program provides a continuum of services that address phonemic awareness, grapho-phonemic knowledge, language structure, and linguistic patterns and processes. The Section 504 committee on each campus determines placement in the dyslexia program (TEC 38.003).

Early Graduation

A student may choose to graduate from high school in fewer than four years. To pursue early graduation, a student must make a written request by the last day of the first semester of the intended graduation year. Early graduation requirements include parent approval, principal approval, and a meeting with the counselor to file a written early graduation plan. Specific details about the program are available in the Counseling Center.

College Entrance Exams: PSAT, SAT, ACT and TSI

In addition to taking rigorous courses in high school, students should prepare themselves for college entrance exams. College entrance exams include the College Board's SAT and the ACT. The SAT assesses verbal, written and mathematical reasoning skills. Preparation for the SAT begins with the PSAT, or Preliminary SAT. Interested 10th and 11th graders may elect to pay to take the PSAT on the second Wednesday of October. Fee waivers are available for those who qualify. The PSAT is used to help students understand what specific skills they need to practice prior to taking the SAT and, for 11th graders, qualification for the National Merit Scholarship Competition. The PSAT and SAT measure verbal reasoning skills, critical reading skills, math problem solving skills, and writing skills. Information about the PSAT and the SAT can be found at www.collegeboard.com. Another college entrance exam, the ACT, assesses students' general educational development and their ability to complete college-level work. The multiple-choice tests cover four skill areas: English, mathematics, reading, and science. There is an optional writing that measures skill in planning and writing a short essay. More information about ACT can be found at www.act.org. The Texas Success Initiative (TSI) is a college readiness test that assesses college readiness in English, writing, and math. It assists colleges in the placement of students in appropriate courses and helps connect learners to resources they need to achieve academic success. For more information on PSAT, SAT, ACT and TSI contact the high school counselor.

Credit Recovery

Students who need to recover credits may be eligible to participate in a credit recovery program. Courses taken through credit recovery will not be included in a student's GPA and are recorded as a P (Pass) or F (Fail).

Texas Virtual School Network

Luling High School students have access to a number of different course options through Texas Virtual Schools Network. Interested students should contact their counselor for more information regarding these opportunities. There is a tuition fee for these classes.

HIGH SCHOOL GRADUATION REQUIREMENTS

With the passage of House Bill 5 (HB5) by the 83rd Texas Legislature in 2013, a new high school graduation plan was created which affects all students who enter high school beginning in 2014-2015. HB5 established a single graduation plan, the Foundation High School Program (FHSP). Students will have the opportunity to build on the FHSP by earning an endorsement. In addition, a student may earn a Distinguished Level of Achievement by successfully completing the curriculum requirements for the Foundation High School Plan and the curriculum requirements for at least one endorsement, including four credits in science and four credits in mathematics to include Algebra II.

Foundation High School Program (22 credits)

The Foundation High School Program (FHSP), a 22-credit option, is the lowest graduation plan available. However, it is not available until after the completion of the sophomore year. Changing to this graduation plan will require parent and administrative approval in writing. Parents and students need to understand graduating on this plan may not meet college or university entrance requirements.

Foundation High School Program + Endorsement (26 credits)

The Foundation High School Program + Endorsement is the recommended graduation plan. This program offers students the opportunity to earn an endorsement. The endorsement offers a student the ability to earn a total of 26 credits (a combination of core requirements and endorsement electives), in a targeted area of study for high school graduation. The five endorsement options for students are, as follows:

- Arts and Humanities
- Business and Industry
- Public Services
- STEM (Science, Technology, Engineering, and Math)
- Multidisciplinary

Distinguished Level of Achievement High School Program

The Distinguished Level of Achievement recognizes students who complete the Foundation High School Program + Endorsement including Algebra II. In order to be considered for Top Ten Percent Automatic Admission in Texas Public Universities, graduates MUST earn a diploma under the requirements of the Distinguished Level of Achievement.

Performance Acknowledgements

A student may earn a performance acknowledgement for outstanding performance:

- in a dual credit course,
- in bi-lingual and bi-literacy,
- on an AP test,
- on the PSAT, the ACT-Plan, the SAT, or the ACT,
- for earning a nationally or internationally recognized business or industry certification or license.

Graduation Requirements Chart

For students who entered high school in 2014-2015 and thereafter

Foundation High School Program 22 Credits	Foundation Plus Endorsement Program 26 Credits	Distinguished Level of Achievement Program 26 Credits
<p>4 credits English: ELA I, II, III, one credit in any advanced English course</p> <p>3 credits Mathematics: Algebra I, Geometry, one credit in any advanced math course</p> <p>3 credits Science: Biology, one credit in IPC or in any advanced science course, any advanced science course</p> <p>3 credits Social Studies: World Geography or World History (1 credit), U.S. History (1 credit), Government (0.5 credits), Economics (0.5 credits)</p> <p>2 credits in the same language: Spanish</p> <p>1 credit Physical Education</p> <p>1 credit Fine Arts</p> <p>5 credits in Elective Courses</p>	<p>4 credits English: ELA I, II, III, one credit in any advanced English course</p> <p>4 credits Mathematics: Algebra I, Geometry, two credits in any advanced math course</p> <p>4 credits Science: Biology, one credit in IPC or in any advanced science course, any two advanced science course</p> <p>3 credits Social Studies: World Geography or World History (1 credit), U.S. History (1 credit), Government (0.5 credits), Economics (0.5 credits)</p> <p>2 credits in the same language: Spanish</p> <p>1 credit Physical Education</p> <p>1 credit Fine Arts</p> <p>7 credits in Elective Courses</p> <p>Meet curriculum requirements for at least 1 endorsement</p>	<p>4 credits English: ELA I, II, III, one credit in any advanced English course</p> <p>4 credits Mathematics: Algebra I, Geometry, two credits in any advanced math course (must include Algebra II)</p> <p>4 credits Science: Biology, one credit in IPC or in any advanced science course, any two advanced science course</p> <p>3 credits Social Studies: World Geography or World History (1 credit), U.S. History (1 credit), Government (0.5 credits), Economics (0.5 credits)</p> <p>2 credits in the same language: Spanish</p> <p>1 credit Physical Education</p> <p>1 credit Fine Arts</p> <p>7 credits in Elective Courses</p> <p>Meet curriculum requirements for at least 1 endorsement</p>

Endorsements Chart

Endorsements	Programs of Study
STEM	<ul style="list-style-type: none"> <input type="checkbox"/> Engineering Technology <input type="checkbox"/> Science <input type="checkbox"/> Math <input type="checkbox"/> Math and Science combination <input type="checkbox"/> Technical Design <input type="checkbox"/> Computer Science
Business and Industry	<ul style="list-style-type: none"> <input type="checkbox"/> Production Agriculture (animal) <input type="checkbox"/> Power, Structural, and Technical Systems <input type="checkbox"/> Production Agriculture (plant) <input type="checkbox"/> Construction Technology <input type="checkbox"/> Digital Media <input type="checkbox"/> Welding Manufacturing <input type="checkbox"/> Graphic Design
Public Services	<ul style="list-style-type: none"> <input type="checkbox"/> Therapeutic Services <ul style="list-style-type: none"> ▪ Certified Nursing Assistant (CNA) ▪ Pharmacy Tech
Arts and Humanities	<ul style="list-style-type: none"> <input type="checkbox"/> Journalism <ul style="list-style-type: none"> ▪ Newspaper ▪ Yearbook <input type="checkbox"/> Performing Arts <ul style="list-style-type: none"> ▪ Theater Tech ▪ Theater Arts ▪ Music ▪ Combined Fine art <input type="checkbox"/> Visual Arts
Multidisciplinary Studies	<p>A coherent sequence or series of courses selected from one of the following:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence <input type="checkbox"/> Four credits in each of the four foundation subject areas to include English IV and chemistry and/or physics <input type="checkbox"/> Four credits in AP, IB, or dual credit selected from English, mathematics, science, social studies, economics, languages other than English, or fine arts

Endorsements: Program of Study Course Sequence

SCIENCE, TECHNOLOGY, ENGINEERING and

PROGRAM OF STUDY (POS)	POS OVERVIEW	CREDITS	CREDENTIAL OPPORTUNITIES	REQUIRED COURSES
Science	This academic program of study would be for those students who are interested in pursuing post-secondary study and careers with heavy science content. POS requires 5 credits of Science	5	Commended status on EOC College credit through AP UIL Awards Industry Certification Competition Awards	Biology, Chemistry, Physics + 2 Advanced Science courses
Math	This academic program of study would be for those students who are interested in pursuing post-secondary study and careers with heavy math content. POS requires 5 credits in math.	5	Commended status on EOC College credit through AP UIL Awards Industry Certification Competition Awards	Algebra I, Geometry, Algebra II, Pre-calculus, Calculus + 1 advanced math course.
Math and Science Combo	This academic program of study would be for those students who are interested in pursuing post-secondary study and careers with heavy math and science content POS requires 6 credits.	6	Commended status on EOC College credit through AP UIL Awards Industry Certification Competition Awards	Algebra II, Chemistry, Physics + 2 advanced math + 1 advanced science
Computer Science	This technical program of study would be for students pursuing post-secondary study and careers requiring extensive computer programing skills and computer literacy	5	Commended status on EOC College credit through AP UIL Awards Industry Certification Competition Awards	Principles of Information technology, Computer Programing 1 Computer Programing 2 Practicum in Information Technology
Technical Design	This technical program of study would be for students interested in pursuing post-secondary study and careers that involve the skills of drafting using design and simulation software	4	Commended status on EOC College credit through AP UIL Awards Industry Certification Competition Awards	Principles of Information technology, Architecture Design I, Engineering Design and Presentation and Engineering Design/Problem solving,
Engineering	This technical program of study would be for students interested in pursuing post-secondary study and careers that involve the skills of design, research and development of mechanical and electrical artifacts	4	Commended status on EOC College credit through AP UIL Awards Industry Certification Competition Awards	Principles of Applied Engineering, Robotics I, Robotics II, Engineering Design/Problem solving

BUSINESS and INDUSTRY ENDORSEMENT

PROGRAM OF STUDY (POS)	POS OVERVIEW	CREDITS	CREDENTIAL OPPORTUNITIES	REQUIRED COURSES
Production Ag (Animal)	This technical program of study would be for students who are interested in post-secondary study and careers associated with production of agricultural livestock and small animals	4	Commended status on EOC College credit through AP UIL Awards Industry Certification/Precision Exam Competition Awards	Principles of Ag,food,NR Livestock Production Ag Lab and Field Experience Advanced Animal Science
Production Ag (Plant)	This technical program of study would be for students who are interested in post-secondary study and careers associated with production of agricultural and ornamental plants	4	Commended status on EOC College credit through AP UIL Awards Industry Certification/Precision Exam Competition Awards	Principles of Ag, food,NR Horticulture Science Floral Design Ag Lab and Field Experience
Construction Technology	This technical program of study would be for students who are interested in post-secondary study and careers associated with the technical knowledge and skills of building structures	5	Commended status on EOC College credit through AP UIL Awards Industry Certification/Precision Exam Competition Awards	Principles of Construction Construction Technology I Construction Technology II
Manufacturing (Weld)	This technical program of study would be for students who are interested in post-secondary study and careers associated with the technical knowledge and skills of welding fabrication	4	Commended status on EOC College credit through AP UIL Awards Industry Certification/Precision Exam Competition Awards	Principles of Ag, food, NR Ag Mechanics & Metal tech Ag Structure Design and fab Ag Lab and field experience
Power Systems	This technical program of study would be for students who are interested in post-secondary study and careers associated with technical knowledge and skills of small gasoline/diesel engines technology	4	Commended status on EOC College credit through AP UIL Awards Industry Certification/Precision Exam Competition Awards	Principles of Ag, food, NR Ag Mechanics and Metal tech Power Systems
Digital Media	This technical program of study would be for students who are interested in post-secondary study and careers associated with the skills and technical knowledge of producing audio/visual media	4	Commended status on EOC College credit through AP UIL Awards Industry Certification/Precision Exam Competition Awards	Principles of Art A/V Communication Audio/Visual Production I + Lab Audio/visual Production II + Lab
Graphic Design	This technical program of study would be for students who are interested in post-secondary study and careers associated with the skills and technical knowledge of producing commercial graphic illustrations	4	Commended status on EOC College credit through AP UIL Awards Industry Certification/Precision Exam Competition Awards	Principles of Art A/V communication Graphic Design I + Lab Graphic Design II + Lab

ARTS and HUMANITIES ENDORSEMENT

PROGRAM OF STUDY (POS)	POS OVERVIEW	CREDITS	CREDENTIAL OPPORTUNITIES	REQUIRED COURSES
Music	This academic program of study would be for students who are interested in post-secondary study and careers associated with the skills and knowledge of instrumental music production	4	Commended status on EOC College credit through AP UIL Awards Industry Certification/Precision Exam Competition Awards	Band I Band II Band III Band IV
Art	This academic program of study would be for students who are interested in post-secondary study and careers associated with the skills and knowledge of principles of art creation	4	Commended status on EOC College credit through AP UIL Awards Industry Certification/Precision Exam Competition Awards	Art I Art II Art III Art IV
Theater Art	This academic program of study would be for students who are interested in post-secondary study and careers associated with knowledge and skills of theatrical performance	4	Commended status on EOC College credit through AP UIL Awards Industry Certification/Precision Exam Competition Awards	Theater Art I Theater Art II Theater Art III Theater Art IV
Combined Fine Art	This technical program of study would be for students who are interested in post-secondary study and careers associated with the knowledge and skills of performance and visual arts	4	Commended status on EOC College credit through AP UIL Awards Industry Certification/Precision Exam Competition Awards	Any fine art course levels 1 & 2 + Any other fine course levels 1 & 2
Theater Production	This technical program of study would be for students who are interested in post-secondary study and careers associated with knowledge and skills of production of public performance	4	Commended status on EOC College credit through AP UIL Awards Industry Certification/Precision Exam Competition Awards	Theater production I Theater production II Theater production III Theater production IV
Journalism News	This technical program of study would be for students who are interested in post-secondary study and careers associated with the skills and knowledge of journalistic writing and reporting	4	Commended status on EOC College credit through AP UIL Awards Industry Certification/Precision Exam Competition Awards	Journalism Newspaper I Newspaper II Newspaper III
Journalism Yearbook	This technical program of study would be for students who are interested in post-secondary study and careers associated with the skills and knowledge of journalistic production	4	Commended status on EOC College credit through AP UIL Awards Industry Certification/Precision Exam Competition Awards	Journalism Yearbook I Yearbook II Yearbook III

PUBLIC SERVICES ENDORSEMENT

PROGRAM OF STUDY (POS)	POS OVERVIEW	CREDITS	CREDENTIAL OPPORTUNITIES	REQUIRED COURSES
Certified Nurse Aide	This technical program of study would be for students who are interested in post-secondary study and careers associated with the skills and technical knowledge of Nursing and medical field	5-6	Commended status on EOC College credit through AP UIL Awards Industry Certification/Precision Exam Competition Awards	Biology Medical Microbiology Anatomy and Physiology/Pathophysiology Practicum in Health Science CNA
Pharmacy Technician	This technical program of study would be for students who are interested in post-secondary study and careers associated with the skills and technical knowledge of medicine and distribution	5-6	Commended status on EOC College credit through AP UIL Awards Industry Certification/Precision Exam Competition Awards	Biology Medical Microbiology Anatomy and Physiology/Pathophysiology Practicum in Hlth Sci Pharm Tech

Recommended High School Graduation Requirements Chart

For students who entered high school in 2013-2014 and before

Subject Area	Minimum Plan	Recommended Plan	Distinguished Plan
English	4 credits	4 credits	4 credits
Math	3 credits	4 credits	4 credits
Science	2 credits	4 credits	4 credits
Social studies	3 credits	4 credits	4 credits
Foreign Language		2 credits (same language)	3 credits (same language)
Physical Education	1 credit	1 credit	1 credit
Communication App.	.5 credits	.5 credits	.5 credits
Fine Arts	1 credit	1 credit	1 credit
Electives	6.0 credits	5.0 credits	5.0 credits
Academic elective (minimum plan only)	1 credit from W History, W Geo, or approved science class		
Advanced Measures			4 advanced measures
Total state credits	22	26	26
STAAR EOC's	STAAR	STAAR	STAAR

STUDENT SERVICES

ACC Drop Policy

Students enrolled in ACC classes will be exposed to college-level curricula that provide opportunities for collaboration, self-direction and academic rigor. Students are encouraged to maintain enrollment throughout the semester. If students consider dropping a class, they must meet with their counselor to discuss impact on scheduling, GPA and transcripts.

Attendance

Attendance is critical to academic success. The student is required to be in attendance for at least 90% of each course session per semester in order to receive credit. Excessive absences will result in loss of credit.

College Entrance Requirements

Students must determine admission standards for specific colleges or universities since requirements vary. Information is available through the individual college or university websites.

Course Selection Process

Counselors will provide information about the course selection process, class choices, and graduation plans through classroom guidance. Students will be given a Course Selection Guide and a choice sheet. Due dates and instructions will be included. Upcoming freshman parents will have the opportunity to attend scheduled parent information meetings during the course selection process. Counselors will assist students regarding course selections. In addition, each student will be provided verification of course requests along with a deadline for change requests.

Students are reminded that some course offerings are tentative and dependent upon sufficient enrollment. It is extremely important, therefore, that alternate course choices be listed for elective courses on the registration choice form.

STUDENTS ARE ALSO REMINDED THAT THE MASTER SCHEDULE IS BUILT, FACULTY IS HIRED, AND ROOM ASSIGNMENTS MADE BASED ON COURSE CHOICE. PLEASE MAKE SELECTIONS WITH CARE.

Some courses require teacher approval. Students are responsible for obtaining that approval prior to submitting course requests. As the student signs up for next year's courses, selections should be made on the assumption the courses in progress will be passed. Because of increased graduation requirements, if a student fails a course or courses, it is important to make up a failed course in summer school the same year. Failure to attend summer school could jeopardize grade level and progress toward graduation. Contact the school if you have questions about summer school.

Cumulative School Record

A student's Academic Achievement Record (AAR) includes grades, attendance, standardized test scores, activities, and honors. The AAR is part of the student's permanent school record. Colleges, the armed services, and employers may seek the student's permission to receive a copy of the AAR (High School Transcript).

Grade Classification

This classification is based on the number of credits actually completed. Credits earned through summer school, credit-by-exam, dual enrollment and correspondence should be on file in the registrar's office for the first day of the school year for classification purposes. Grade classifications are, as follows:

- 9th grade: promoted/assigned to the 9th grade (Freshmen).
- 10th grade: must have completed 6 state credits (Sophomores).
- 11th grade: must have completed 12 state credits (Juniors).
- 12th grade: must have completed 18 state credits (Seniors).

Graduation Ceremonies

In order to participate in the graduation ceremony, the student must meet all graduation requirements and attendance requirements, and fulfill all financial obligations to the school.

Honor Graduates

Students who have a cumulative high school grade point average of 6.0 or higher will be considered an honor graduate and will receive an honors cord for graduation.

Promotion

Students are promoted only on the basis of academic achievement. A student who has not earned a passing grade of at least 70 will not earn credit for the course. A student is encouraged to attend summer school to make up any core course failed during the regular school year. The student will not be promoted to the next grade level if he/she has not earned the minimum number of required credits

Rank in Class, Top 10 Percent, Valedictorian and Salutatorian

Final rank in class for the purpose of determining valedictorian and salutatorian and honor graduate is calculated at the end of the fifth six-week grading period of the senior year. Luling High School uses a weighted grade point system that is designed to recognize the relative difficulty and effort required for the course. The additional grade points are used solely for computing grade point average for ranking purposes and will not be reflected on the student's official transcript or Academic Achievement Record. Class rank is determined by averaging semester grades earned in the core subjects (math, English, history, and science) and foreign languages in grades 9-12.

The official top ten percent of students in the graduating class shall be determined by the final class ranking. Class rank shall be computed to the fourth decimal, as necessary, to designate the top ten percent. Final official class rank shall be determined at the end of the fifth-six weeks grading period for inclusion of student names for recognition purposes. Any college/university distance learning course(s) taken during the spring semester of the student's senior year will not be included in the student's GPA and final class ranking calculations. In order to be included in the **Top Ten Percent**, a student must graduate with a distinguished level of achievement. The distinguished level of achievement includes receiving credit for Algebra II and completing an endorsement.

The valedictorian and salutatorian shall be those senior members of the graduating class who have attained the two highest overall grade point averages for grades 9-11 and the first five grading periods of grade 12 and who meet the requirements for honor graduates. To be considered for valedictorian or salutatorian, a student must have been enrolled in Luling High School for his or her entire junior and senior year, starting on the first day of his or her junior year and shall have maintained continuous attendance at LHS through graduation.

Semester System

The school year is divided into two semesters with three six weeks reporting periods in each semester. The semester average is determined by the three six week's averages and the semester exam. Each semester course is worth ½ unit of credit provided a minimum grade of 70 is earned. For courses that are two semesters in duration, the two semester grades will be averaged to determine total credit for the class. A passing grade in one semester may bring up a failing grade in the other semester, provided the first semester grade is not lower than 50 and the second semester grade is not lower than 60 and the two semester grades average to a 70 or higher.

Schedule Change Policy

Once the schedule is locked, schedule corrections will only be made for the following reasons:

- A student is placed in a course in error.
- A student fails a required course making a schedule adjustment necessary for graduation.
- Additional credit was earned making a schedule adjustment necessary.
- The student has a schedule that is not educationally defensible; i.e., does not have the pre-requisites or not having courses needed for graduation.
- Change is needed as a result of a student's being elected or administratively assigned to or taken out of a program within the school; i.e., band, athletics, work program, or other classes requiring instructor approval.
- Change is needed to enable a student to graduate in the particular year.
- Class sizes must be balanced.
- Courses are cancelled.

Level changes: A level change (i.e., moving from English III AP to regular English III) may only be requested between the 4th and 6th week of the semester. A change may be made if the student has demonstrated a significant effort to do well in the class (attending tutorials participating in class, asking questions, etc.) and if there has been verified parent/teacher/student communication. If a level change is made, all grades will transfer with the student for eligibility purposes. An administrator must approve all level changes.

Students are encouraged to take academically rigorous classes every year. Research shows that students who take challenging courses in high school are more likely to enroll in and complete college degree programs. This is especially true for the senior year in preparation for the expectations of college. Students are encouraged to choose academic rigor over GPA when making choices about classes.

State Testing Program

In order to be awarded a Texas diploma, a Luling ISD student must meet all state testing requirements: English I, English II, Algebra I, Biology, and US History. Remedial courses may be required for students who have not passed all required tests.

Top 10%

The Texas public college or university of your choice must automatically admit you if:

- your academic average places you in the top 10 percent of your high school class*
- you apply no later than two years after graduating from a Texas high school
- you submit a completed application before the expiration of any filing deadline established by the college or university
- you graduate on the Foundation High School Plan with an endorsement and credit for Algebra II
- you have paid all required fees and submitted all required documents

*Top 7% if applying for the University of Texas at Austin

Transfer Credit Policy—High School

Course Credit from an Accredited State, National, or International School: LHS grants course credit from any state, national, or international accredited secondary educational institution providing that (1) the course credit is recorded on an official transcript of that educational institution, (2) the course is a recognized credit course in the State of Texas as identified in the official state credited course listing published each year by the Texas Education Association, and (3) the course meets the state of Texas TEKS for the specific course.

For those courses meeting the above three criteria, LHS uses a numerical grade as shown on the educational institution's official transcript for calculating GPA and class rank except for grades from non-American educational institutions. In addition, LHS shall award weighted credit for the purpose of GPA and class rank for any grade that meets the above three criteria if the educational institution's official transcript designates the course as honors, Pre-AP, AP, IB, or accelerated. Weighted credit will only be awarded for courses that are offered at LHS at the accelerated level. If the educational institution does not provide a numerical grade, LHS shall assign the following numerical grade for letter grades:

A to D with F Grade System

A+	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
95	92	90	87	85	83	81	79	77	74	72	70	≤ 69

A to C with F Grade System

A+	A	A-	B+	B	B-	C+	C	C-	F
97	95	90	87	85	80	77	75	70	< 69

List of Weighted Courses

Subject	Regular Courses	Pre-AP Courses	AP & Dual Credit Courses
ELA	English I, II, III, IV	English Pre-AP I, II	Eng 3 Dual Credit (1301, 1302); Eng 4 Dual Credit (2322, 2323)
Math	Algebra, Geometry, Algebra II, Math Models, Pre-Calculus	Geometry Pre-AP, Algebra II Pre-AP, Pre-Calculus Pre-AP	AP Calculus AB AP Statistics
Science	Biology, Chemistry, Physics, IPC, Anatomy and Physiology	Biology Pre-AP, Chemistry Pre-AP, Physics Pre-AP	AP Physics
Social Studies	World Geography, World History, US History, Government, Economics	World Geography Pre-AP, World History Pre-AP, US History Pre-AP	
Language	Spanish I, Spanish II	Spanish III	

High School Weighted GPA Values

Grade	Regular Course	Advanced Course	AP / Dual Credit Courses
100	6.0	7.0	8.0
90-99	5.0 - 5.9	6.0 - 6.9	7.0 - 7.9
80-89	4.0 - 4.9	5.0 - 5.9	6.0 - 6.9
70-79	3.0 - 3.9	4.0 - 4.9	5.0 - 5.9
0-69	0	0	0

COURSES OF STUDY

ENGLISH LANGUAGE ARTS

ENGLISH I (7011)

Credit: 1.0

Grade: 9

Prerequisite: None

This skills-based course will ensure student success across a wide range of literature and composition. This course reinforces and extends previous knowledge by developing an appreciation for different literary genres, developing an appreciation and understanding of the structure of English grammar, improving vocabulary using context clues, developing skills in written and oral expression, and improving organizational skills.

ENGLISH I Pre-AP (7013)

Credit: 1.0

Grade: 9

Prerequisite: None

This course is designed for students whose performance, motivation, and abilities significantly exceed standards for English I. This course includes independent reading and research in areas of literature, development of higher-level critical thinking skills, and the use of the writing process to compose various forms of discourse for a variety of audiences and purposes. Course requirements will also include extensive vocabulary development and literary analysis through in-depth studies of major works. Students must be prepared to devote considerable time to independent readings and outside research projects. Summer and outside-of-class readings may be a necessary component of the class.

ENGLISH II (7021)

Credit: 1.0

Grade: 10

Prerequisite: English I or concurrent enrollment

This skills-based course will ensure student success across a wide range of literature and composition. This course reinforces and extends previous knowledge by developing an appreciation for different literary genres, developing an appreciation and understanding of the structure of English grammar, improving vocabulary using context clues, developing skills in written and oral expression, and improving organizational skills.

ENGLISH II Pre-AP (7023)

Credit: 1.0

Grade: 10

Prerequisite: English I

This course places emphasis on the acquisition of college preparatory vocabulary, the ability to read independently and critically, and the writing of analytical essays. Students are expected to enter this course with a mastery of English grammar and usage. Time is not spent on the basics of writing, but on the development of more sophistication in student writing. Also, required readings along with analysis activities outside of class are expected. A major research project is also assigned in this class. Summer and outside-of-class readings may be a necessary component of the class.

ENGLISH III (7031)

Credit: 1.0

Grade: 11

Prerequisite: English II or concurrent enrollment

English III is a study of American literature with an emphasis on literary nonfiction and real-world nonfiction texts. The class is designed to address grammar, composition, and literature. This will be accomplished through utilizing a variety of genres and activities. The literary terms associated with each genre will be addressed, as well as college-level vocabulary integration using SAT, ACT, and TSI test preparation. Critical thinking and reading, close reading analysis, discussions, and creative problem solving will be encouraged. Writing will emphasize style development, correct grammar usage, and syntax. The research and writing process will use MLA documentation. The literature will also be studied from a holistic approach, relating its perspective to philosophy, history, religion, sociology, psychology, art, music, pop culture, etc. Students will be assessed through various means including but not limited to homework, presentations, projects, quizzes, tests, timed writings, class discussions, and essays. A culminating research project and presentation will be required.

ENGLISH III DUAL CREDIT via ACC (7035)

Credit: 1.0

Grade: 11

Prerequisite: English II, counselor approval, complete ACC admissions process, be emotionally and intellectually mature enough for college coursework

This course in English Language and Composition will train students to become skilled readers of prose written in a variety of disciplines, periods and rhetorical contexts. Students' reading and their writing will make them aware of the interaction between authorial purpose, audience needs, the subject itself, generic conventions and the resources of language: syntax, word choice, etc. The course assumes that its students already command Standard English grammar. The purpose of the course is to enable students to read and write prose mature enough in conception, development and language to communicate effectively with adult readers on issues of some intellectual importance. *Students interested in pursuing this option must meet with their counselor to determine eligibility for the dual credit class. Students are responsible for registering for this class via ACC's online registration process. Summer and outside-of-class readings may be a necessary component of the class.*

ENGLISH IV (7041)**Credit: 1.0****Grade: 12****Prerequisite: English III or concurrent enrollment**

English IV includes a study of British literature, as well as contemporary nonfiction text. It continues to reinforce skills, knowledge and attitudes for effective communication in all language processes: reading, writing, speaking, listening and thinking for both social and professional contexts. Instruction emphasizes an application of previously learned concepts and skills in writing, language, literature and reading with a focus on real-world nonfiction texts and close reading analysis of these texts. Critical and creative thinking, discussion, and problem solving are encouraged. These areas are integrated throughout the two semesters of the yearlong course. Writing instruction builds from paragraph structure to multi-paragraph composition to real-world writing tasks to a major research project. The course will also utilize the integration of college-level vocabulary development and SAT, ACT, and TSI test preparation.

ENGLISH IV DUAL CREDIT via ACC (7043)**Credit: 1.0****Grade: 12****Prerequisite: English III Dual or College English 1301 & 1302, counselor approval, complete ACC admissions process, be emotionally and intellectually mature enough for college coursework**

Students will cover the TEKS for English 4 as well as study British Literature from Anglo-Saxon times through the 18th Century in the fall and literature from the late 18th Century to the present in the spring. *Students interested in pursuing this option must meet with their counselor to determine eligibility for the dual credit class. Students are responsible for registering for this class via ACC's online registration process. Summer and outside-of-class readings may be a necessary component of the class.*

HB 5 COLLEGE PREPARATORY ENGLISH IV (7044)**Credit: 1.0****Grade: 12****Prerequisite: Satisfactory performance on the English I & II STAAR/EOC examinations and successful course completion of English III.**

Students will learn to investigate academic texts, construct supported interpretations and arguments for an authentic audience, and acquire academic habits of thought. Reading instruction will focus on developing critical reading skills for comprehension, interpretation, and analysis. In writing, students will develop skills through composing with specific purpose, situation, genre, and audience in mind. Students will write a variety of effective formal and informal texts. To learn to integrate reading and writing, students will use an inquiry approach to analyze, synthesize, and make value judgments regarding text and writing. This course is designed to prepare students for college-level reading and writing intensive courses. Successful completion of this course, as defined by the memorandum of understanding (MOU) with the partnering institution(s), grants the student an exemption to TSI requirements for reading and writing at the partnering institution(s).

COMMUNICATION APPLICATIONS (7005)**Credit: .5****Grade: 10 - 12****Prerequisite: None**

This is an introductory course in the communication process with a focus on career preparation. Students will concentrate on the following areas: verbal and non-verbal language, group dynamics, decision making, active listening, oral presentations, interpersonal and intrapersonal communication and awareness of the communication process and how it affects our daily lives.

JOURNALISM – YEARBOOK 1, 2, 3 (9601, 9602, 9603)**Credit 1.0****Grade 10-12****Prerequisite: English I**

A lab for student journalists to expand skills in writing, research, photography, interviewing, technology, statistics, design, communication and problem solving while producing a student publication relevant and entertaining to students, faculty and the community.

JOURNALISM – NEWSPAPER PRODUCTION 1, 2, 3 (9604, 9605, 9606)**Credit 1.0****Grade 10-12****Prerequisite: English I**

A lab for student journalists to expand skills in writing, research, photography, interviewing, technology, statistics, design, communication and problem solving while producing a student publication relevant and entertaining to students, faculty and the community.

MATHEMATICS

PRE-ALGEBRA (7402)

Credit: 1.0

Grade: 9

Prerequisite: None

The goal of Pre-Algebra is to develop fluency with rational numbers and proportional relationships. Students will extend their elementary skills and begin to learn algebra concepts that serve as a transition into formal Algebra and Geometry. Students will learn to think flexibly about relationships among fractions, decimals, and percent. Students will learn to recognize and generate equivalent expressions and solve single-variable equations and inequalities. Students will investigate and explore mathematical ideas using technology and models to develop multiple strategies for analyzing complex situations. Students will analyze situations verbally, numerically, graphically, and symbolically. Students will apply mathematical skills and make meaningful connections to life's experiences

ALGEBRA I (7404)

Credit: 1.0

Grade: 9

Prerequisite: None

First year algebra is a study of the structure of algebra including sets, linear equations, inequalities and graphs. The system of real numbers is built step by step from the natural number system. Functions, variations and quadratic equations are introduced in this course.

GEOMETRY (7413)

Credit: 1.0

Grade: 9 - 10

Prerequisite: Algebra I or concurrent enrollment

This course includes a study of plane, solid and coordinate geometries. Logic, geometric proof, spatial reasoning and application with basic skills from Algebra are stressed.

GEOMETRY Pre-AP (7411)

Credit: 1.0

Grade: 9 - 10

Prerequisite: Algebra I

This course will be a more rigorous study of geometry. Students will be required to solve problems using higher level thinking skills than those students who are enrolled in regular geometry.

MATHEMATICAL MODELS W/APPLICATIONS (7412)

Credit: 1.0

Grade: 11 - 12

Prerequisite: Algebra 1, Geometry, or concurrent enrollment

This course builds on Algebra I foundations using algebraic, graphical and geometric reasoning to recognize patterns and structure and 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 applications in both mathematical situations. This course cannot be taken for math credit after Alg. 2.

ALGEBRA II (7406)

Credit: 1.0

Grade: 10 - 12

Prerequisite: Geometry or concurrent enrollment

Second year Algebra is a study of the fundamental properties and operations, algebraic proofs, signed numbers, algebraic expressions and sentences, relations and functions, exponents, irrational numbers, logarithms, determinants and matrices. Sequences, series and progressions may also be included in this course.

ALGEBRA II Pre-AP (7407)

Credit: 1.0

Grade: 10 - 11

Prerequisite: Geometry

This class is a more rigorous second year Algebra course. Students will be required to use higher level thinking skills than those enrolled in regular Algebra II.

PRE-CALCULUS (7414)

Credit: 1.0

Grade: 11 - 12

Prerequisite: Algebra II

This course is a more rigorous study of functional relationships with emphasis on polynomial, rational, exponential, and radical and trigonometric functions. Students will be required to use higher level thinking skills than those enrolled in Algebra II. The course requires the use of a graphing utility for homework, for class work, and for testing. Geometry concepts and Algebra skills are used throughout the course. Algebra II with at least a B average is advised for success. Advanced pre-calculus is recommended for students who intend to take calculus.

PRE-CALCULUS PRE-AP

Credit: 1.0

Grade: 11 - 12

Prerequisite: Algebra II

Students use symbolic reasoning and analytical methods to represent mathematical situations, to express generalizations, and to study mathematical concepts and the relationships among them. This course will include a review and in-depth look at the material learned in Algebra and Geometry. Topics in trigonometry including the unit circle, identities/proofs, and solving triangles will be included. We will have a brief introduction of Calculus including sequences/series, vectors, parametric and polar equations, and limits.

AP CALCULUS AB (7415)**Credit: 1.0****Grade: 12****Prerequisite: Pre-Calculus**

This course is offered to students who exhibit diligence and excellence in the study of all high school courses. Topics include limits, continuity, differentiation, integration and transcendental functions. Students taking this class may receive college credit by taking the AP Exam and passing with a high enough standard. Students should expect a college level curriculum and workload. A summer project may be required. Calculus is recommended for college bound students interested in engineering and medicine.

AP STATISTICS**Credit: 1.0****Grade: 12****Prerequisite: Pre-Calculus**

Students will develop analytical and critical thinking skills as they learn to describe data patterns and departures from patterns, plan and conduct studies, use probability and simulation to explore random phenomena, estimate population parameters, test hypotheses, and make statistical inferences. Students should expect a college level curriculum and workload.

HB 5 COLLEGE PREPARATORY MATH (CPMATH - 7420)**Credit: 1.0****Grade: 12****Prerequisite: Satisfactory completion of Algebra I and the Algebra I EOC exam, Geometry, and a third credit of mathematics**

This course addresses a variety of mathematical topics needed to prepare students success in college-level mathematics. In addition, the course supports students in developing skills and strategies needed to succeed in college. Successful completion of this course, as defined by the memorandum of understanding (MOU) with the partnering institution(s), grants the student an exemption to TSI requirements for mathematics at the partnering institution(s).

SCIENCE**INTEGRATED PHYSICS AND CHEMISTRY (IPC 7200)****Credit: 1.0****Grade: 9****Prerequisite: None**

In Integrated Physics and Chemistry students conduct laboratory and field investigations, use scientific methods during investigation, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy and matter.

BIOLOGY (7204)**Credit: 1.0****Grade: 9 - 10****Prerequisite: None**

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.

BIOLOGY Pre-AP (7206)**Credit: 1.0****Grade: 9 - 10****Prerequisite: None**

This course follows the same curriculum as Biology, but centers on higher order thinking skills while studying all biology, genetics, zoology and botany.

CHEMISTRY (7207)**Credit: 1.0****Grade: 10 - 11****Prerequisite: Biology or concurrent enrollment**

In Chemistry, students conduct laboratory and field investigations, use of 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 Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives.

CHEMISTRY Pre-AP (7208)**Credit: 1.0****Grade: 10 - 11****Prerequisite: Biology**

This course follows the same curriculum as Chemistry, but centers on higher order thinking skills while studying the properties and behavior of chemical reactions. This class is recommended for college bound students.

PHYSICS (7209)**Credit: 1.0****Grade: 11 - 12****Prerequisite: Chemistry or concurrent enrollment**

This course will include a study of force, motion, heat, sound, light, electricity and nuclear reactions. Scientific methods of problem solving are emphasized.

PHYSICS Pre-AP (7210) **Credit: 1.0**

Grade: 11 – 12 **Prerequisite: Chemistry**

This course follows the same curriculum as Physics, but centers on higher order thinking skills while studying force, motion, heat, sound, light, electricity and nuclear reactions.

AP PHYSICS 1: ALGEBRA-BASED **Credit: 1.0**

Grade: 12 **Prerequisite: Pre-AP Physics**

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits.

ANATOMY AND PHYSIOLOGY OF HUMAN SYSTEMS (9304) **Credit: 1.0**

Grade: 11 - 12 **Prerequisite: Biology**

In the Anatomy and Physiology of Human Systems course students conduct in-depth investigations of anatomy and physiology of human systems including circulatory, nervous, endocrine, and respiratory systems. Students will learn environmental factors that affect the body and how the body maintains homeostasis.

MEDICAL MICROBIOLOGY (9607) **Credit 1.0**

Grade 10-12 **Prerequisite: Biology**

This course covers principles of microbiology with emphasis on microorganisms and human disease. Topics include an overview of microbiology and aspects of medical microbiology, identification and control of pathogens, disease transmission, host resistance, and immunity. Upon completion, students should be able to demonstrate knowledge of microorganisms and the disease process as well as aseptic and sterile techniques

PATHOPHYSIOLOGY (9608) **Credit 1.0**

Grades 10-12 **Prerequisite: Biology**

This course studies the etiology, pathogenesis, morphology, local effects, systemic manifestations, clinical significance, predisposition, and prevention of cell injury, teratology, cancer, and disorders of the hematological, immune, circulatory, nervous, endocrine, urinary, respiratory, gastrointestinal, reproductive and musculoskeletal systems

ENVIRONMENTAL SYSTEMS (7215) **Credit: 1.0**

Grade: 12 **Prerequisite: Biology, Chemistry & Physics**

In Environmental Systems, students conduct field and laboratory 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: biotic and abiotic factors in habitats; ecosystems and biomes; interrelationships among resources and an environmental system; sources and flow of energy through an environmental system; relationship between carrying capacity and changes in populations and ecosystems; and changes in environments.

ADVANCED ANIMAL SCIENCE (ADVANSKI - 9700) **Credit: 1.0**

Grade: 12 **Prerequisite: 1 credit from the Ag cluster**

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. 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.

SOCIAL STUDIES

WORLD GEOGRAPHY (7101) **Credit: 1.0**

Grade: 9-10 **Prerequisite: None**

This course is a general study of geography of the world. This includes the study of the nature of geography, physical setting of the earth, interaction of physical environments, and an urban analysis.

WORLD GEOGRAPHY Pre-AP (7111) **Credit: 1.0**

Grade: 9-10 **Prerequisite: None**

An advanced study of geography of the world that includes: the nature of geography, physical setting of the earth, interaction of physical environments, and an urban analysis.

WORLD HISTORY (7102) **Credit: 1.0**

Grade: 9-10 **Prerequisite: None**

This course is a general review of World History from prehistoric through modern times.

WORLD HISTORY Pre-AP (7103) **Credit: 1.0**

Grade: 9-10 **Prerequisite: None**

This course is a general overview of World History from prehistoric through modern times, but with more rigorous coursework.

US HISTORY (7100) **Credit: 1.0**

Grade: 11 **Prerequisite: World Geography or World History or concurrent enrollment**

This course is a general review of American History from the Reconstruction period (1877) to modern times; however a brief review of early U.S. history will also be included. Historical content focuses on the political, economic, and social events, and issues related to industrialization and urbanization, major wars, domestic and foreign policies.

US HISTORY Pre-AP (7108) **Credit: 1.0**

Grade: 11 **Prerequisite: World Geography or World History or concurrent enrollment**

This course offers a comprehensive look at U.S. History from early colonization to modern-day events through more rigorous coursework. Students will be responsible for more out of class work than those students who opt to take regular U. S. History.

US GOVERNMENT (7105) **Credit: .5**

Grade: 12 **Prerequisite: US History or concurrent enrollment**

This class is a comprehensive study of our national, state, and local governments. This course will be paired with economics.

ECONOMICS (7106) **Credit: .5**

Grade: 12 **Prerequisite: U. S. History or concurrent enrollment**

This class is a study of the basic principles of production, distribution, and consumption of wealth and income, with emphasis on the free enterprise system.

PSYCHOLOGY (8909) **Credit .5**

Grade 11-12 **Prerequisite: None**

A multidisciplinary investigation of behavior and the nervous system. Particular emphasis is placed on human processes of perception, cognition, learning, memory, and language.

SOCIOLOGY (8912) **Credit .5**

Grade 11-12 **Prerequisite: None**

This course introduces the scientific study of human society, culture, and social interactions. Topics include socialization, research methods, diversity and inequality, cooperation and conflict, social change, social institutions, and organizations. Upon completion, students should be able to demonstrate knowledge of sociological concepts as they apply to the interplay among individuals, groups, and societies.

LANGUAGES OTHER THAN ENGLISH

SPANISH I (7051) **Credit: 1.0**

Grade: 9 - 12 **Prerequisite: None**

Students will develop skills and concepts in listening, speaking, reading, and writing Spanish. The course will provide experiences that will result in the knowledge and awareness of the various Spanish-speaking cultures. In addition to the social aspects of the study of language, the study of linguistics, and the utilization of skills as integral components of that study will result in students making generalizations and arriving at interrelationships among languages.

SPANISH II (7052) **Credit: 1.0**

Grade: 9 - 12 **Prerequisite: Spanish I**

This course naturally lends itself to the expansion and reinforcement of the skills, concepts, impressions, and experiences for the essential outcomes presented in the introductory course. There is a major emphasis on the active application of oral proficiency, listening, speaking, reading, and writing skills.

SPANISH III (7053)**Credit: 1.0****Grade: 10 - 12****Prerequisite: Spanish II**

The benefits of proficiency in a second language will be explored as preparation for the student's entry into college and for the global realities of our world. Students will enrich their language skills and experiences by the in-depth study of advanced grammar, Spanish-speaking societies and cultures, their literature, and their histories. Included in the curriculum to broaden the student's spectrum of knowledge will be a concurrent study of current events as seen from the perspective of the Spanish-speaking world.

FINE ARTS**ART I (7511)****Credit: 1.0****Grade: 9 - 10****Prerequisite: None**

This course covers four basic strands: perception, creative expression/performance, historical and cultural heritage and critical evaluation. By analyzing artistic styles and historical periods, students develop respect for the traditions and contributions of diverse cultures while experimenting with different media. Students should be in either grade 9 or 10 to enroll in this class.

ART II (7512)**Credit: 1.0****Grade: 10 - 11****Prerequisite: Art I**

This course covers four basic strands: perception, creative expression/performance, historical and cultural heritage and critical evaluation. Art II is a detailed study of the different materials available to the artist and the techniques involved in combination to achieve special effect.

ART III (7513)**Credit: 1.0****Grade: 11 - 12****Prerequisite: Art I & II and teacher approval**

Art III is a study of awareness and sensitivity to natural and man-made environments, inventive and imaginative expression through art materials and tools, the understanding and appreciation of self and others through art culture and heritage, and aesthetic growth through visual discrimination and judgment. A pre-AP portfolio should be the end result. A list of supplies will be required for this class.

ART IV (7514)**Credit: 1.0****Grade: 12****Prerequisite: Art I, II, III and teacher approval**

Art IV is a study of awareness and sensitivity to natural and man-made environments, inventive and imaginative expression through art materials and tools, the understanding and appreciation of self and others through art culture and heritage, and aesthetic growth through visual discrimination and judgment. A Pre-AP portfolio should be the end result. A list of supplies will be required for this class.

BAND**Credit: 1.0****BAND1 (7501), BAND2 (7502), BAND3 (7503), BAND4 (7504)****Grade: 9 - 12****Prerequisite: Approval of Band Director**

Band is a performing group composed of 9th-12th grade students. This course is designed for those students who have achieved a sufficient mastery of music fundamentals. The class emphasizes public performance at marching, concert, and contest events; participation is mandatory. Students will develop proper instrumental techniques on a specific music instrument.

MUSIC INSTRUMENTAL ENSEMBLE**Credit: 1.0****MUS1 (7506), MUS2 (7507), MUS3 (7508), MUS4 (7509)****Grade: 9 - 12****Prerequisite: Must be enrolled in Band**

Applied music provides advanced band students with the opportunity to further refine their musical skills. Students will be expected to fine tune competition pieces and receive feedback from the director.

THEATRE ARTS I (7521)**Credit: 1.0****Grade: 9 - 12****Prerequisite: None**

Students are expected to be on their feet, active, engaged, loud and not afraid of being out of their comfort zone. Theatre I starts every day with a dance or a warm up. Students display mastery of objectives through acting. Theatre I covers theatre history, character development, play writing, mime, improvisation, and produces a play at the end of the semester to be performed after school.

THEATRE ARTS II (7522)**Credit: 1.0****Grade: 10 – 12****Prerequisite: Theatre Arts I**

Students are expected to build on previous mastery of Theatre I objectives. Students in Theatre II will focus on improving the students' acting abilities. Students will focus on mime techniques, body control, focus/mental discipline, improvisation, projection and many other aspects of acting. Students will be expected to dance and sing to the best of their abilities. Theatre II is more student centered and student driven when specific projects are concerned. A play at the end of each semester is usually required.

THEATRE ARTS III (7523)**Credit : 1.0****Grade: 11 – 12****Prerequisites: Theatre I & II and teacher approval.**

Theatre III students should be scheduled the same time as Theatre II. Theatre III students work to lead Theatre II students and act as peer mentors. Theatre III students are expected to meet deadlines on their own as well as help classmates. Theatre III students need to display a serious desire to make Theatre a permanent part of their education. Theatre III students need to have displayed two years of respectful behavior and trust. Theatre III students are rewarded with much influence on class and creative control on projects.

THEATRE ARTS IV (7524)**Credit: 1.0****Grade: 12****Prerequisite: Theatre I, II & III and teacher approval**

Theatre IV students will complete assignments in college preparatory fashion. Theatre IV students WILL direct a show to be performed at the end of the semester. Theatre IV students may be asked to prepare character development at a professional level and create concepts at an exceptional level of mastery.

TECHNICAL THEATRE I (7541)**Credit: 1.0****Grade: 9-12****Prerequisite: None**

This course deals with the non-acting elements of live theatre including development and application of skills and techniques in set construction. The course will also cover the basic theories of design in color, drawing, lighting, costuming, props, and interpretation in stage design.

TECHNICAL THEATRE II (7542)**Credit: 1.0****Grade: 10-12****Prerequisite: Technical Theatre I**

Students in Theatre Tech II are expected to display previous mastery of Tech I concepts with an intention on improvement. Tech II still focuses on costume and set design through Theatre History and script study and NO acting. Tech II students may be asked to sew, build models, or properly set up and break down lighting tree systems. If Tech II is scheduled at the same time as Tech I, Tech II is expected to be the student mentor of any and all Tech I students.

THEATRE PRODUCTION I (7531)**Credit: 1.0****Grade: 10 – 12****Prerequisite: Theatre Arts I recommended with teacher approval**

Students in Theatre Production do NOT have to complete Theatre I, but it is recommended. (Example: A Freshman with a strong reputation and audition may be placed in Theatre Production based on talent and reputation.) Students in Theatre Production will focus on all objectives and jobs associated with actually producing a Luling High School sanctioned play that will be performed for the fall show in December or UIL-One Act Play. Students will come into Theatre Production with a prior knowledge of what play will be produced. This course requires participation in the fall and/or spring show that you take the class in acting or behind the scenes.

THEATRE PRODUCTION II (7532), III (7533), IV (7534)**Credit: 1.0****Grade: 11 – 12****Prerequisite: Theatre Production I or Theatre Arts I and teacher approval**

Students in Theatre Production II and above will be expected to be leaders and maybe the leads of the play. These students have been in Luling High School productions before and can act as references and peer mentors to Theatre Production I students. This course requires participation in the fall and/or spring show that you take the class in acting or behind the scenes

PHYSICAL EDUCATION**PE FOUNDATIONS (7601 – PE)****Credit: 1.0****Grade: 9 – 12****Prerequisite: None**

In Physical Education, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically active lifestyle. The student exhibits a physically active lifestyle and understands the relationship between physical activity and health throughout the lifespan.

ATHLETIC TRAINER – (7655 – PE-AT) **Credit: 1.0**
Grade: 9-12 **Prerequisite: teacher approval**

EAGLE ATHLETICS **Credit: 1.0**
I (SUBATH1B - 7611); II (SUBATH2B - 7612); III (SUBATH3B - 7613); IV (SUBATH4B - 7614)
Grade: 9-12 **Prerequisite: Athletic Director Approval and physical required**
Students must receive approval from the athletic director. Students participate in U.I.L. Varsity, Jr. Varsity, and ninth grade competition.

LADY EAGLE ATHLETICS **Credit: 1.0**
I (7621 - SUBATH1G); II (7622 - SUBATH2G); III (7623 - SUBATH); IV (7624 - SUBATH4G)
Grade: 9-12 **Prerequisite: Athletic Director Approval and medical physical required**
Students must receive approval from the athletic director. Students participate in U.I.L. Varsity, Jr. Varsity, and ninth grade competition.

OTHER ELECTIVES

BIBLE LITERACY (9609) **Credit 1.0**
Grade: 9 – 12 **Prerequisite: None**
This course, according to the Texas Essential Knowledge and Skills and House Bill No. 1287, is an elective course on the Hebrew Scriptures (Old Testament) and the New Testament and its impact. The purpose of the course is to teach students knowledge of biblical content, characters, poetry, and narratives that are prerequisites to understanding contemporary society and culture, including literature, art, music, mores, oratory, and public policy. Students will study the contents, the history, the literary style and structure of the Old and New Testament and its influence on law, history, government, literature, art, music, customs, morals, values, and culture. This course will follow all federal and state guidelines in maintaining religious neutrality and accommodating the diverse religious views, traditions, and perspectives of students.

This course will not endorse, favor, promote, or disfavor any particular religion or nonreligious faith or religious perspective. Also, this course does not qualify for the coherent sequence of courses for an endorsement area.

COMMUNICATION APPLICATIONS (7005) **Credit: .5**
Grade: 9-12 **Prerequisite: None**
This is an introductory course in the communication process with a focus on career preparation. Students will concentrate on the following areas: verbal and non-verbal language, group dynamics, decision making, active listening, oral presentations, interpersonal and intrapersonal communication and awareness of the communication process and how it affects our daily lives. This course is required for students entering high school beginning 2013 and before.

HEALTH (7600) **Credit: .5**
Grade: 9-12 **Prerequisite: None**
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.

JOURNALISM (9014 – PHOTJOUN) **Credit 1.0**
Grade: 11-12 **Prerequisite: Teacher approval, Princ. of Arts, A/V Teah. and Comm. preferred.**
Yearbook is open to students classified as a Junior or Senior and requires student application and teacher approval. Computers are a must, as well as an eye for design, color, and photography. Yearbook students should have a good command of the English language with good writing skills and an above average grade in previous English core classes. Students interested in Yearbook must be a leader as well as a team player. He/she must be self motivated, responsible, able to meet deadlines, willing to collaborate and coordinate with peers and student leaders, able to take constructive criticism, and willing to make Yearbook a top priority. Some travel for school event and Yearbook coverage will be required. Applications and recommendation letters required. Interested students should pick up a yearbook application from the yearbook sponsor during the spring semester before the class begins in the fall.

ESP CREDIT RECOVERY (8600 – ESP CRD RECOV)**Credit: varies****Grade: 11-12**

Students enrolled in the Eagle Success Program will take a course or courses on a TEKS based online computer program called Edgenuity in order to regain credit for a needed class. Students should complete the required class(es) assigned to them during the scheduled class period and semester. Students may have to put in extra time in order to finish by the end of the semester if they are behind on their credits or lessons.

ACC LEARNING (8599)**Credit: varies****Grade: 9-12**

Students currently accepted into ACC and have met the required TSI assessment requirements may enroll in college classes for dual credit or concurrent credit through the Early College Start program. See counselor for more information.

CAREER AND TECHNICAL EDUCATION (CTE)

AGRICULTURE, FOOD, AND NATURAL RESOURCES

PRINCIPLES OF AG, FOOD, AND NATURAL RESOURCES (9201 - PRINAFNR) Credit: 1.0

Grade: 9 - 12 Prerequisite: None

To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.

LIVESTOCK PRODUCTION (9205 - LIVEPROD) Credit: 1.0

Grade 10 – 12 Prerequisite: Principles of Agriculture

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, 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 their knowledge and skills in a variety of settings. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry.

WILDLIFE, FISHERIES, AND ECOLOGY MANAGEMENT (9212 - WFECGT) Credit: 1.0

Grade 9 – 12 Prerequisite: Principles of Agriculture

To be prepared for careers in natural resource systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, 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 their knowledge and skills in a variety of settings. This course examines the management of game and non-game wildlife species, fish, and aquacrops and their ecological needs as related to current agricultural practices.

PRINCIPLES & ELEMENTS OF FLORAL DESIGN (9209 - PEFLDSN) Credit: 1.0

Grade: 9 - 12

To be prepared for careers in floral design, students need to attain academic skills and knowledge as well as technical knowledge and skills related to horticultural 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 their knowledge and skills and technologies in a variety of settings. This course 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. This course may satisfy the requirements for a fine arts credit.

AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES (9202 – AGEMCHMT) Credit: 1.0

Grade: 10 - 12 Prerequisite: Principles of Agriculture

To be prepared for careers in agricultural power, structural, and technical systems, students need to attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques.

AGRICULTURAL STRUCTURES DESIGN & FABRICATION (9203 – AGSDFAB) Credit: 1.0

Grade: 11 - 12 Prerequisite: Principles of Agriculture

To be prepared for careers in mechanized agriculture and technical systems, students attain knowledge and skills related to agricultural facilities design and fabrication. Students explore career opportunities, entry requirements, and industry expectations. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

AGRICULTURAL POWER SYSTEMS (9109 – AGPOWSYS) Credits 1.0

Grades 10-12 Prerequisite – Princ. of AFNR

To be prepared for careers in agricultural power, structural, and technical systems, students should attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the workplace; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students should have opportunities to learn, reinforce,

apply, and transfer their knowledge and technical skills in a variety of settings. This course is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery.

AGRICULTURE LABORATORY and FIELD EXPERIENCE (9610) Credit 1.0
Grades 10-12 Prerequisite: none. Course to be offered concurrently with advanced Agriculture courses requiring extended time

Several of the Advanced Agriculture courses require a laboratory experience that is to be offered concurrently in order to offer extended time to develop advanced concepts. This is that lab course.

PRACTICUM IN AFNR (9210 – PRACAFNR) Credit: 2.0
Grade: 11 - 12 Prerequisite: teacher approval and minimum of one credit from the courses in Agriculture, Food, and Natural Resources cluster.

Upon successful completion of this two-credit course, students will receive ACC credit for WLDG 1417- Introduction to Layout and Fabrication. The practicum is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentorships, or laboratories.

ARTS, A/V TECHNOLOGY AND COMMUNICATIONS

PRINCIPLES OF ARTS, A/V TECH. & COMMUNICATIONS (9017 – PRINAAVTC) Credit: 1.0
Grade: 9 - 11 Prerequisites: none

Careers in the Arts, Audio/Video Technology, and Communications career cluster require, in addition to creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

GRAPHIC DESIGN & ILLUSTRATION I (9015 – GRAPHD1) Credit: 1.0
Grade: 10 - 11 Prerequisites: Princ. of Arts, A/V Technology & Comm.

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

GRAPHIC DESIGN & ILLUSTRATION II (9611 – ADVGRADI) Credit 1.0
Grade: 11 - 12 Prerequisites: Princ. of Arts, A/V Technology & Comm. and Graphic Design or concurrent

Careers in graphic design and illustration span all aspects of the advertising and visual communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

GRAPHIC DESIGN & ILLUSTRATION LAB (9000) Credit 1.0
Prerequisites: none. Course is offered as a lab to Graphic Design I & II

This course will meet as lab for Graphic Design courses I and II. This is an occupationally specific course designed to provide knowledge and skills for future Entrepreneurial in Graphic Design and Screen Printing Career. Students develop marketing plans for a storefront that will be operated by this class. Student will buy and sell merchandises research for items that they will be selling. Student will learn to design and print T-shirts from concept to finish product.

INFORMATION TECHNOLOGY

PRINCIPLES OF INFORMATION TECHNOLOGY (9012 – PRINT) Credit: 1.0
Grade: 9 - 12 Prerequisites: none

Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment.

AUDIO/VIDEO PRODUCTION I (9612 - AVPROD)**Credit: 1.0****Grade: 10 - 12****Prerequisites: Princ. of Information Technology**

This course will explore the Audio and Video production industry and its post-secondary educational and career opportunities. Students will gain job-specific training for entry level employment in audio, video, television, and motion picture careers. Professional grade equipment and software will be used in the creation of student lead productions. Students will be involved in every aspect of several class and small group audio, video, and film style production projects with emphasis on live multi-camera video and film style production projects. Materials and supplies fees may be required.

AUDIO/VIDEO PRODUCTION II (9613 – ADVAPROD)**Credit: 1.0****Grade: 10 - 12****Prerequisites: Principles of Arts, Audio/video Technology
Audio/Video Production I**

Students will work on several audio and/or video productions created for television, cable television, education, radio, entertainment, business and/or industry. Students may concentrate on specific areas of interest such as videography, video editing, film editing, audio recording, audio mixing, sound reinforcement, sound design, dialog editing, lighting, directing, producing, still or animated computer graphics, special effects, voice talent, on-camera talent, production management and camera operation. Students will create a portfolio of work.

ARCHITECTURE AND CONSTRUCTION**PRINCIPLES OF CONSTRUCTION (9900 – PRINCONST)****Credit: 1.0****Grade: 9 - 12**

Principles of Construction provides an overview to the various fields of architecture, interior design, construction science, and construction technology. Achieving proficiency in decision-making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, educational, and career information to set and achieve realistic career and educational goals. 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; Information Technology Applications; systems; safety, health, and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills; introduction to hand tools; introduction to power tools; basic rigging; and reading technical drawings.

CONSTRUCTION TECHNOLOGY I (9004 – CONSTECH)**Credit: 2.0****Grade: 10-12****Prerequisite: Principles of Construction**

In Construction Technology, students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing.

CONSTRUCTION TECHNOLOGY II (9022 – ADVCONST)**Credit: 2.0****Grade: 11-12****Prerequisites: Principles of Construction and Architecture and Construction Technology**

In Advanced Construction Technology, students gain advanced knowledge and skills specific to those needed to enter the work force as carpenters, building maintenance technicians, or supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students build on the knowledge base from construction technology and are introduced to exterior and interior finish out skills

ARCHITECTURAL DESIGN (9005 – ARCHDSN)**Credit: 1.0****Grade: 10-12****Prerequisites: Algebra I, Geometry, and Principles of Architecture and Construction**

In Architectural Design, students gain knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Architectural design includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes.

HEALTH SCIENCE

PRACTICUM IN HEALTH SCIENCE (9614)

Credit 2.0

Grade: 11-12

Prerequisite: Biology, Medical Microbiology, and Pathophysiology

This course is a blended course that prepares students to take the Certified Nurse's Aide exam. Students will be required to schedule two class sections for online instruction and clinical rotations in a nursing home and hospital.

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

PRINCIPLES OF APPLIED ENGINEERING (9615)

Credit 1.0

Grade: 9-10

Concepts of Engineering and Technology provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will use 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 and will be able to make informed decisions regarding a coherent sequence of subsequent courses. 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 (9008 – ENGDSPR)

Credit: 1.0

Grade: 10-12

Prerequisite: Principles of Applied Engineering

Students enrolled in this course will demonstrate knowledge and skills of the process of design 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. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas.

ADVANCED ENGINEERING DESIGN AND PRESENTATION (9028 - ADVENGDP)

Credit: 2.0

Grade: 11-12

Prerequisite: Engineering Design and Presentation

This course will provide students the opportunity to master computer software applications in a variety of engineering and technical fields. This course further develops the process of engineering thought and application of the design process.

ENGINEERING DESIGN AND PROBLEM SOLVING (9730 – ENGDPRS)

Credit: 1.0

Grade: 11-12

Prerequisite: Algebra II, Geometry, Chemistry, Physics

Engineering Design and Problem Solving reinforces and integrates skills learned in previous mathematics and science courses. This course emphasizes solving problems, moving from well defined toward more open ended, with real-world application. Students apply critical-thinking skills to justify a solution from multiple design options. Additionally, the course promotes interest in and understanding of career opportunities in engineering.

ROBOTICS I (9907 – ROBOTA)

Credit: 1.0

Grade: 11-12

Prerequisite: Principles of Applied Engineering

Students enrolled in this course will demonstrate knowledge and skills necessary for the robotic and automation industry. Through implementation of the design process, students will transfer advanced academic skills to component designs in a project-based environment. Students will build prototypes or use simulation software to test their designs. Additionally, students explore career opportunities, employer expectations, and educational needs in the robotic and automation industry.

ADDENDUM:

Early College Start

Credit: See Counselor

Grade: 9 -12

Prerequisite:

- Conference with LHS counselor
- Application to Austin Community College (ACC)
- Meet Testing Requirements
- Complete Early College Start sheet with ACC
- Advising and Registration with ACC for classes

Students at LHS may take ACC courses during the school day on the LHS campus, in the evening at LHS, at an ACC campus, or online (Distance Learning classes). Daytime classes at LHS are free. Classes taken at an ACC campus in Austin or online require a \$150.00 registration fee (Fees are subject to change by ACC). Students are required to purchase the course textbook or any other supplies required by the ACC instructor.

The Early College Start Program provides a way that students can earn college credit while still in high school. **Dual credit** is earned when a student earns a college credit for that class that also satisfies high school diploma requirements. There is no charge for classes taught at LHS by staff members. Online fees may apply.

Students may also **co-enroll** and receive college credit; a student may take any ACC course for which they meet the skill and prerequisite even though the course is not for a class that also satisfies high school diploma requirements.

Students should identify the ACC class they intend to take on their course selection sheet. However, students must complete the registration process with ACC in order to get college and high school credit for the course they intend to take. If a student does not complete the process prior to the beginning of each semester, the student will be placed in LHS classes.

ACC courses offered during the day are dependent upon a minimum enrollment and the ability of ACC to fill the teaching position.

Additional ACC courses are offered during the summer, fall, and spring semesters. More information about ACC Early College Start and the courses offered is available through the ACC Course Selection Guide and in the LHS Counselor's Office.

ACC Dual Credit Courses

These courses may be taken for both high school and college credit and may be taken by LHS students free of charge on the LHS campus. LHS students who take an ACC class on another campus or online must pay a \$150.00 registration fee. Students will be responsible for purchasing their own textbooks. In order to enroll in a dual credit course, the student must have passed the college readiness testing exemptions for ACC or taken and passed the TSI testing score requirement. Students taking courses at night may elect a college release period during the day. Students are advised that these are college level courses and, as such, require self-discipline. Students are responsible for ensuring that a dual credit course will transfer for credit to the college of their choice. Students are responsible for taking their ACC grade report to the LHS register so that the ACC grade may be posted on their transcript. If you find another ACC course, for example, one in culinary arts or criminal justice, it may be that it could also be dual credit. Talk with your counselor about this. You can take up to two ACC classes per semester. Other ACC classes may be taken as co-enrollment. They will not provide high school credit, but they may be college credit. In addition, there are TSI exempt classes which may be taken and do not require the same testing as do dual credit classes.

*Course has a prerequisite.

ACC Course

LHS Equivalent and Credit Awarded

Career and Technology

ACCT 2301-Prin. Of Financial Accounting
BUSI 2301-Business Law I
LGLA 1311-Intro. To Law
CRIJ 1301-Intro. To Criminal Justice
CRIJ 2314-Criminal Investigation
COSC 1301-Personal Computing
ITSC 1309-Integrated Software Applications
COSC 1315-Fundamentals of Programming
COSC 2415*-Data Structures
DFTG 1405-Technical Drafting
IMED 1441*-2-D Interface Design

Accounting (1 credit)
Business Law (.5 credit)
Street Law (.5 credit)
Law Enforcement I A (.5 credit)
Law Enforcement I B (.5 credit)
BCIS I (1 credit)
BCIS II (1 credit)
Computer Science A (.5 credit)
Computer Science B (.5 credit)
Engineering Graphics (1 credit)
Multimedia (1 credit)

Fine Arts

ARTS 1316-Drawing I
ARTS 1317-Drawing II*
ARTS 2323-Life Painting*
ARTS 2317-Painting II*
ARTS 2346-Ceramics I*
ARTS 2347-Ceramics II*
ARTS 2326-Sculpture I*
ARTS 2327-Sculpture II*
ARTS 2356- Photography
WLDG 1405-Art Metals
DANC 1212-Practicium/Prin. of Choreography
DRAM 1351-Acting I
DRAM 1352-Acting II*
DRAM 1330-Stagecraft

Art II-Drawing (1 credit)
Art III-Drawing (1 credit)
Art III-Advanced Drawing (1 credit)
Art III-Painting (1 credit)
Art II-Ceramics (1 credit)
Art III- Ceramics (1 credit)
Art II- Sculpture (1 credit)
Art III- Sculpture (1 credit)
Art II- Photography (1 credit)
Jewelry 2 (1 credit)
Dance (1 credit)
Theatre Art I (1 credit)
Theatre Arts II (1 credit)
Technical Theatre (1 credit)

Health/Physical Education

KINE 110X-Physical Activity Courses
KINE 1304-Personal Health
KINE 1305-Community Health

PE other than Per. Fitness (.5 credit)
Health (.5 credit)
Health (.5 credit)

Languages – Other

SLNG 1035 – American Sign Language I

Sign Language I (1 credit)

SLNG 1135 – American Sign Language II*
FREN 1511 – French I
FREN 1512 – French II
GERM 1511 – German I
GERM 1512-German II
JAPN 1511 – Japanese I
JAPN 1512 – Japanese II
LATI 1511 – Latin I
LATI 1512 – Latin II *
SPAN 1511 – Spanish I
SPAN 1512 – Spanish II *
SPAN 2311 – Spanish III*

Sign Language II (1 credit)
French (1 credit)
French II (1 credit)
German I (1 credit)
German II (1 credit)
Japanese I (1 credit)
Japanese II (1 credit)
Latin I (1 credit)
Latin II (1 credit)
Spanish (1 credit)
Spanish II (1 credit)
Spanish III (1 credit)

Mathematics

MATH 1332 – College Math
MATH 1314 – College Algebra
MATH 2413 – Calculus

Math Indpt. Study (.5 credit)
Indpt. Study (.5 credit)
Calculus (1.0 credit)

Science

1Bio 1614 – Field Biology
BIO 1203 – Human Anatomy
BIO 2305 – Human Physiology*
CHEM 1405 – Intro. To Chemistry *
PHYS 1401 – General College Physics I *
GEOL. 1403 – Physical Geology*
GEOL 1404 – Historical Geology *

Environmental Systems (1.0 credit)
Anat. & Phys. A (.5 credit)
Anat. & Phys. B (.5 credit)
Chemistry (1.0 credit)
Physics (1.0 credit)
Geology (.5 credit)
Geology (.5 credit)

Social Studies

ECON 2302 – Prin. Of Microeconomics
ECON 2301 – Prin. Of Macroeconomics
GEOG 1301 – Physical Geography
GEOG 1302 – Cultural Geography
GOVT 2305 – U.S. Government
HIST 1301 – US History I

HIST 1302 – US History II

HUMA 1301 – Introduction to Humanities
PSYC 2301 – Psychology
SOC 1301 – Intro. to Sociology

Economics (.5 credit)
Economics (.5 credit)
World Geography (1.0 credit)
Human Geography (.5 credit)
Government (.5 credit)
US History Sem. A (.5 credit) –
co-enrollment only (no dual credit for this)
US History Sem. B (.5 credit) – co-enrollment
only (no dual credit for this)
Humanities (.5 credit)
Psychology (.5 credit)
Sociology (.5 credit)