



# **Luling High School**

## **Course Catalog 2019-2020**

# Luling Independent School District

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# Luling High School

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<https://hs.luling.txed.net>

## Our Vision

Educate Every Child, Every Day

## Mission Statement

The mission of Luling High School is to improve the academic performance of all students.

## Introduction

Welcome to Luling High School's 2019-2020 Course Catalog. The purpose of the course catalog is to present a brief description of program of studies and courses offered at Luling High School. The course catalog is updated as often as necessary to address curriculum changes and evolving student needs. The course catalog is designed to assist students and parents in planning their high school course of study by providing information on graduation requirements and credit options. Students and parents are encouraged to consult with their grade level counselor to answer questions or concerns regarding their high school plan. However, the responsibility to ensure that all graduation credits are met rests with the student and their parent or guardian.

## 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 Catalog 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 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 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.

## Dual Credit – 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 credit must meet ACC concurrent enrollment and regular admission requirements and are responsible for tuition, any 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.

## University of Texas at Austin OnRamps – Dual Enrollment

UT OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a UT faculty member and high school credit from their local teacher. All UT OnRamps courses are guaranteed to transfer to any public institution in Texas. The key benefit of early exposure to postsecondary education is the authentic entry point to college expectations it provides for students. While in high school, participation in UT OnRamps courses may accelerate degree completion by reducing the costs and impact of student loans and increasing lifetime earning potential. In UT OnRamps students learn first-hand all that it takes to succeed in college before they get there.

Any student enrolled in a UT OnRamps course at LHS will be taught by a high school teacher in collaboration with a college professor and take college assessments throughout the year. High school grades and college grades are recorded separately. Please note that the classroom grade from the UT OnRamps course is weighted and included for rank in class calculations.

Students are responsible for any fees/tuition costs related to the course.

## **Examination for Acceleration**

Examination for Acceleration or Credit-by-Exam (without prior instruction) Board 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. A student may not attempt to earn credit by examination for a specific high school course more than two times. 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.

## **High School Courses Taken Prior to High School**

Luling ISD offers some courses designated for grades 9-12 in junior high. Students who take these courses must show satisfactory completion including the appropriate high school STAAR exam. Satisfactory completion of high school courses taken prior high school shall be reflected on the student's transcript, and the student will be awarded state graduation credit.

Students who satisfactorily complete Algebra I prior to high school will continue with higher-level mathematics courses in grade 9-12.

## **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 academic 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 all 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. The student must meet all STAAR-EOC requirements before he/she is eligible to participate in the graduation ceremony. 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](http://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](http://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 83<sup>rd</sup> 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 (26 credits)

The Distinguished Level of Achievement recognizes students who complete the Foundation High School Program + Endorsement including Algebra II. **This is the default plan for all LHS students beginning in the 2019-2020 school year.** 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

<b>Multidisciplinary Guide</b> Students are required to graduate with at least 26 credits	
<b>English (4 credits)</b> <ul style="list-style-type: none"><li>• English I</li><li>• English II</li><li>• English III</li><li>• English IV</li></ul> <b>Math (3 credits + 1 for Endoresment)</b> <ul style="list-style-type: none"><li>• Algebra I</li><li>• Geometry</li><li>• Algebra II or Math Models</li><li>• 4th (select one or more)<ul style="list-style-type: none"><li>○ Algebra II – if Math Models taken first</li><li>○ Pre-Calculus Pre-AP</li><li>○ AP Statistics</li><li>○ AP Calculus</li></ul></li></ul> <b>Science (3 credits + 1 for Endoresment)</b> <ul style="list-style-type: none"><li>• Biology</li><li>• Chemistry or IPC</li><li>• 3rd and 4th credit options:<ul style="list-style-type: none"><li>○ Chemistry – if IPC taken first</li><li>○ Physics</li><li>○ Anatomy &amp; Physiology (CTE)</li><li>○ Advance Animal Science (CTE)</li><li>○ Environmental Science</li></ul></li></ul>	<b>Social Studies (3 credits + 1 Endoresment)</b> <ul style="list-style-type: none"><li>• World Geography</li><li>• World History</li><li>• U.S. History</li><li>• Government/Economics</li></ul> <b>LOTE (2 credits)</b> <ul style="list-style-type: none"><li>• Spanish I</li><li>• Spanish II</li></ul> <b>PE (1 credit)</b> <ul style="list-style-type: none"><li>• PE Foundations</li><li>• Athletic Trainer</li><li>• Athletics</li><li>• Cheerleading</li></ul> <b>Fine Arts (1 credit)</b> <ul style="list-style-type: none"><li>• Art</li><li>• Band</li><li>• Theater Arts</li></ul> <b>Elective Courses (6 credits)</b>

## Endorsements: Program of Study Course Sequence

LHS Programs of Study	ACC Crd	LHS Crd	LHS Acknowledgement Certificate	ACC Associate Degree Program	ACC Certificate Program enrollment	Industry Certificate
<u>Engineering</u> Principles of Applied Engineering Engineering Design Advanced Engineering Design	3	1  1 2	CAD Mechanical Design I 661 Engineering Tech 615 Engineering Principles I 601 Robotics I 612 CAD Mechanical Design I 662 Architecture Design I 542	<a href="#">Engineering Technology</a>	<a href="#">Engineering Technology Electronics</a>	Solidworks CAD AutoDesk AutoCAD Associate
<u>Construction Technology</u> Principles of Construction Construction Technology Electrical Construction Technology II HVAC	3-6	1 2  2	Construction Trades Foundation 510 Carpentry 512	<a href="#">Construction Management</a>	<a href="#">Construction Manager Level I</a> <a href="#">Carpentry Level I</a> <a href="#">HVAC Level I</a>	NCCER Construction Tech NCCER HVAC NCCER Residential wiring
<u>Auto Service</u> Principles of Trans Systems Automotive Technology I Automotive Technology II	3-6	1 2 2	Automotive Service Introduction 505E	<a href="#">Automotive Technology</a>	<a href="#">Basic Automotive Level 1</a>	ASE Auto Service with ASE certified Teacher
<u>Health Science</u> Principles of Health Science A&P Pathophysiology Practicum in Health Science	3-6	1 1 1 2	Certified Nursing Aid (CNA) Medical A & P 702E	<a href="#">Nursing Mobility Track</a>	<a href="#">CNA</a>	CNA in partnership with ACC
<u>Animal Science</u> Principles of Ag and Natural Wildlife, Fisheries Eco Mgt. Vet Medical Applications Small Animal Management Animal Science Equine Science	3-6	1 1 1 .5 1 .5	Animal Science I 120 Animal Science II 123 Vet Assistant 124 Vet Tech 125	<a href="#">Veterinary Technology</a>	<a href="#">Veterinary Assistant</a>	Certified Vet Assistant
<u>Welding</u> Principles of Ag and Natural Resources Ag Mechanics and Metal technologies + Lab Ag Structures and Fabrication	3-6	1  2  1	Welding Tech Entry 595E Welding Tech Inter 596	<a href="#">Code Welding</a>	<a href="#">Structural Welding Level I</a>	American Welding Society D1.1 structural steel
<u>Cosmetology</u> Intro to Cosmetology Cosmetology I Cosmetology II	None	1 2 2	Operator's License Test	None	None	Cosmetology operator with Cosmo Certified Teacher
<u>Graphic Design</u> Principles of Art and A/V Graphic Design :Graphic Design + Lab	3-6	1 1 2	Desktop Publishing I 248 Desktop Publishing II 249 Word Processing Basics 260 Word Processing 262	<a href="#">Graphic Arts Technology</a>	<a href="#">Graphic Arts Technology</a>	Microsoft Word Microsoft Excel Microsoft office suite
<u>Audio/Visual Production</u> Principles of Art and A/V Audio Visual Production I Audio Visual Production II + Lab	3-6	1 1 2	Digital Media IA 810 Digital Media IB 811 Digital Media II 815	<a href="#">Converging Media production</a>	<a href="#">Film/Video Production Technology Level 1</a>	None on TEA list
<u>Education and Training</u> Principles of Education and Training Human Growth and Development Child Development Practicum in Education	3-6	1  1 1 2	Early Childhood Ed I 323 Early Childhood Ed IA 325	<a href="#">Education Instruction</a>	<a href="#">Child Development Level 1</a>	Child Development Associate

<u>Law Enforcement</u> Principles of Law and Public Safety Law Enforcement I Law Enforcement II Criminal Investigation	3-6	1 1 1 1	Law Enforcement 570	<a href="#">Law enforcement</a>	<a href="#">Texas Peace Officer sequence Level I</a>	None on TEA list
<u>Computer Programming</u> Principles of Information Technology Computer Programming I Computer Programming II AP Computer Science	3-6	1 1 2 1	Computer Programming IA 820 Computer IB java 824	<a href="#">Computer programming</a>	<a href="#">Computer Programming Java Track Level 1</a>	Certified Java Associate
<u>Culinary Arts</u> Intro to Culinary Arts Culinary Art I Advanced Culinary Arts	3-6	1 2 2	Food Service Culinary Art 345 Food and Nutrition I 340E Food and Nutrition II 343	<a href="#">Culinary Arts Pastry/Baking</a>	<a href="#">Culinary Arts Level I Pastry Arts Level I</a>	None on TEA list
<u>Art</u> Art I Art II Art III Art IV	0	4	None	None	None	None
<u>Music(Band)</u> Band 1 and/or Ensemble I Band 2 and /or Ensemble II Band 3 and/or Ensemble III Band 4 and/or Ensemble IV	0	4	None	None	None	None
<u>Theater</u> Theater I or Theater Prod I or Theater Tech I Theater II or Theater Prod II or Theater Tech II Theater III Theater IV	0	4	None	None	None	None
<u>Journalism</u> Newspaper I or Yearbook I Newspaper II or Yearbook II Newspaper III or Yearbook III Newspaper IV or Yearbook IV	0	4	None	None	None	None

# 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. Policy (FEC-LOCAL), a student is required to be in attendance for at least 90% of each course session per semester in order to receive credit. When a student's attendance drops below 90 percent but remains at least at 75 percent of the days the class is offered, the student may earn credit for the class or a final grade by completing a plan approved by the principal. **Excessive absences include excused, unexcused, and doctor's notes (out all day).**

If the student fails to successfully complete the plan, or when a student's attendance drops below 75 percent of the days the class is offered, the student, parent, or representative may request award of credit or final grade by submitting a written petition to the campus attendance review committee.

Petitions for credit or a final grade may be filed at any time the student receives notice but, in any event, no later than 30 days after the last day of classes.

The campus attendance review committee shall review the student's entire attendance record and the reasons for absences and shall determine whether to award credit or final grade.

## 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.

## College Visits

Students may have two (2) excused absences per junior and two (2) excused absences per senior year, which do not count against exemptions, to visit a college campus. Proper documentation needs to be submitted to the office upon the student's return to school.

## 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 including class credits and STAAR-EOC requirements, 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 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.

## Schedule Change Policy

Two days in August prior to the start of school will be designed for schedule changes. The counselors will send out the dates through campus communications. During the first week of school, changes may be processed during the second and third day of school with a campus administrator and counselor approval. **Schedules will only be changed for the following reasons:**

- Sequence of courses is out of order.
- Incomplete schedule (missing class(es)/period(s)).
- Failure of a course that must be repeated.
- A summer school course has been passed.
- An academic switch from Pre-AP, AP, Dual Credit Course to regular course.

**There will be no schedule changes on the first day and after the third day of school.**

Once the schedule change window closes, schedule changes 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.

## 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  $\frac{1}{2}$  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.

## 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	Academic Courses	Pre-AP Courses	AP / Dual Credit / Dual Enrollment Courses
<b>ELA</b>	English I, II, III, IV	English Pre-AP I, II	Eng 3 Dual Credit (1301, 1302); Eng 4 Dual Credit (2322, 2323)
<b>Math</b>	Algebra, Geometry, Algebra II, Math Models, Pre-Calculus	Geometry Pre-AP, Algebra II Pre-AP, Pre-Calculus Pre-AP	AP Calculus AB AP Statistics College Algebra, UT OnRamps
<b>Science</b>	Biology, Chemistry, Physics, IPC, Anatomy and Physiology	Biology Pre-AP, Chemistry Pre-AP,	Physics I, UT OnRamps
<b>Social Studies</b>	World Geography, World History, US History, Government, Economics	World Geography Pre-AP, World History Pre-AP	U.S. History, 1492-1865 UT OnRamps; U.S History, Since 1865 UT OnRamps
<b>Language</b>	Spanish I, Spanish II	Spanish III	

**High School Weighted GPA Values**

Grade	Academic Courses	Pre-AP Courses	AP / Dual Credit / Dual Enrollment 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

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### **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 ACC – DUAL CREDIT 1301 (7035 - Fall Semester)**

**Credit: 0.5**

**Grade: 11**

**Prerequisite: English II, counselor approval, complete ACC admissions process including TSI requirement**

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 III ACC – DUAL CREDIT 1302 (7035 - Spring Semester)** **Credit: 0.5**  
**Grade: 11** **Prerequisite: English II, counselor approval, complete ACC admissions process including TSI requirement**

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 creativethinking, 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 ACC - DUAL CREDIT (7043 - Fall Semester)** **Credit: 0.5**  
**Grade: 12** **Prerequisite: English III Dual or College English 1301 & 1302, counselor approval, complete ACC admissions process including TSI requirement**

Students will cover the TEKS for English 4 as well as study British Literature from Anglo-Saxon times through the 18<sup>th</sup> Century in the fall and literature from the late 18<sup>th</sup> 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.*

**ENGLISH IV ACC - DUAL CREDIT (7043 - Spring Semester)** **Credit: 0.5**  
**Grade: 12** **Prerequisite: English III Dual or College English 1301 & 1302, counselor approval, complete ACC admissions process including TSI requirement**

Students will cover the TEKS for English 4 as well as study British Literature from Anglo-Saxon times through the 18<sup>th</sup> Century in the fall and literature from the late 18<sup>th</sup> 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).

**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.

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## MATHEMATICS

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**ALGEBRA I (7404)****Credit: 1.0****Grade: 9 Prerequisite: None**

Students will build on the knowledge and skills of 6-8 mathematics which provided a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic and exponential functions and connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

**GEOMETRY (7413)****Credit: 1.0****Grade: 9 - 10 Prerequisite: Algebra I or concurrent enrollment**

Students will strengthen their mathematical reasoning skills in geometric contexts. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; congruence; similarity, trigonometry; two- and three-dimensional figures; circles; and probability. Due to the emphasis of probability and statistics in the college and career readiness standards, probability standards have been added to the Geometry curriculum.

**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. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; congruence; similarity, trigonometry; two- and three-dimensional figures; circles; and probability. Due to the emphasis of probability and statistics in the college and career readiness standards, probability standards have been added to the Geometry curriculum.

**MATHEMATICAL MODELS W/APPLICATIONS (7412)****Credit: 1.0****Grade: 9 - 12 Prerequisite: Algebra 1**

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 Algebra 2.

**ALGEBRA II (7406)****Credit: 1.0****Grade: 10 - 12 Prerequisite: Geometry or concurrent enrollment**

In Algebra II, students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods. Algebra II is a course required by most major universities.

**COLLEGE ALGEBRA – UT ONRAMPS****Credit 1.0****Grade 10 - 12 Prerequisite: Algebra I & Geometry**

This college-level course focuses on applications of polynomial, rational, radical, absolute value, piecewise defined, exponential, and logarithmic functions, equations, inequalities, graphing skills, and systems of equations using matrices. OnRamps College Algebra is designed for students with high academic interest and a strong work ethic. In addition to the prescribed curriculum for Algebra II, this course will address higher-level thinking and problem solving skills. Students who demonstrate college readiness through the course may be eligible to earn college credit through UT-Austin the second semester.

**PRE-CALCULUS PRE-AP (7416)**

**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 (7422)**

**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 (7420 - CPMATH)**

**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).

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## SCIENCE

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**INTEGRATED PHYSICS AND CHEMISTRY (7200 - IPC)**

**Credit: 1.0**

**Grade: 9 - 10**

**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 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 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: Algebra I and 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 – UT ONRAMPS Credit 1.0**

**Grade 11-12 Prerequisite: Algebra I, Algebra II, and Geometry**

Students will be dual enrolled in this UT course. This dual enrollment, rigorous college level course is organized around the major concepts in Newtonian mechanics including motion, forces, heat, and sound. This course includes technology-based investigations, problem solving, peer instruction and assessments designed by UT physics professors while be taught and also graded by a LHS teacher. Students earn credit in the associated high school course which fulfills Physics credit for graduation and may also earn college hours.

**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 TERMINOLOGY (9301 - MEDTERM) Credit 1.0**

**Grade 10-12 Prerequisite: Biology**

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

**PATHOPHYSIOLOGY (9608) Credit 1.0**

**Grades 10-12 Prerequisite: Biology and Medical Terminology**

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 and Chemistry**

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 (9700 - ADVANSCI) 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

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

**Grade: 9 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 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: 10 Prerequisite: World Geography**

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

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

**Grade: 10 Prerequisite: World Geography**

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 and World History**

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.

**UNITED STATES HISTORY – UT ONRAMPS (Fall Semester) Credit .5**

**Grade: 11 Prerequisite: World Geography, World History, and English II  
Corequisites: US History – UT OnRamps (Spring Semester)**

A study of the history of the United States to 1865. Student can earn three college hours from UT Austin with this class.

**UNITED STATES HISTORY – UT ONRAMPS (Spring Semester) Credit .5**

**Grade: 11 Corequisites: US History – UT OnRamps (Fall Semester)**

A study of the history for the United States from 1865 to present. Student can earn three college hours from UT Austin with this class.

**U.S. 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.

**U.S. GOVERNMENT DUAL CREDIT – ACC DISTANCE LEARNING Credit .5**

**Grade: 12 Prerequisite: Counselor approval and complete ACC admissions process**

U.S. Government (GOVT 2305) is completed through ACC's online distance learning and scheduled during the regular school day on campus. Students who complete GOVT 2305 will receive high school U.S. Government credit. Students must make at least a 70 to receive high school credit.

*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.*

**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.

**ECONOMICS DUAL CREDIT – ACC DISTANCE LEARNING Credit .5**

**Grade: 12 Prerequisite: Counselor approval and complete ACC admissions process**

Students may take and complete one of the following: Principles of Macroeconomics (ECON 2301) or Principles of Microeconomics (ECON 2302) through ACC's online distance learning. The course is scheduled during the regular

school day on campus. Students who complete ECON 2301 or ECON 2302 will receive high school credit. Students must make at least a 70 to receive high school credit.

*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.*

**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.

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**LANGUAGES OTHER THAN ENGLISH (LOTE)**

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**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.

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**FINE ARTS**

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**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.

**AP STUDIO ART (9708) Credit 1.0**  
**Grade 11-12 Prerequisite: Art I, II, III and teacher approval**

The AP Studio Art class consist of three portfolios exams: 2-D Design, 3-D Design, and Drawing – corresponding to the college foundation courses. Portfolios allows flexibility of coursework while guiding students to produce college-level quality, artistic investigation, and breadth of work. The Drawing portfolio addresses issues such as line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth, and mark-making. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. Student portfolios are due in May (instead of an AP exam).

**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

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## PHYSICAL EDUCATION

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**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: Athletic Director and teacher approval**

This course is designed to provide in-depth study and application of the components of medicine in the sports industry. It bridges the gap between basic human anatomy, clinical rotations, and athletic injuries. Students will be provided the opportunity to learn foundational knowledge that will be useful in pursuit of careers in the medical field. Students will study and apply concepts that include prevention, recognition, evaluation, management, rehabilitation, and immediate care of athletic injuries.

**EAGLE ATHLETICS****Credit: 1.0****I (7611 - SUBATH1B); II (7612 - SUBATH2B); III (7613 - SUBATH3B); IV (7614 - SUBATH4B)****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.

**CHEERLEADING (7625)****Credit 1.0****Grade: 9-12****Prerequisite: Cheer tryouts and selection by committee**

This is a physical education activity course designed so that a student can participate in the sport of cheerleading. The course will provide opportunities for individuals to develop skills, techniques, and conditioning necessary to be a successful cheerleader. Various team building strategies will be implemented to create and teach unity.

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## OTHER ELECTIVES

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**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.**

**JOURNALISM (9014 – PHOTJOUN)****Credit 1.0****Grade: 11-12****Prerequisite: Teacher approval, Princ. of Arts, A/V Tech. 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 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

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### **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.

### **SMALL ANIMAL MANAGEMENT (9026 - SMANIMGT)**

**Grade: 10-12 Prerequisite: None Credit .5**

In Small Animal Management, students will acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds.

### **VETERINARY MEDICAL APPLICATIONS (9021 - VETMEDAP)**

**Grade: 11 - 12 Prerequisite: Small Animal Management Credit 1.0**

Veterinary Medical Applications covers topics relating to veterinary practices, including practices for large and small animal species.

### **EQUINE SCIENCE (9050 - EQUINSCI)**

**Grade 10 - 12 Prerequisite: None Credit .5**

In Equine Science, students will acquire knowledge and skills related to equine animal systems and the equine industry. Equine Science may address topics related to horses, donkeys, and mules

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

**Grade 10 - 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.

### **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.

### **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.

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## ARTS, A/V TECHNOLOGY AND COMMUNICATIONS

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**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 – ADVGRADIL)****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. 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.

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## INFORMATION TECHNOLOGY

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**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.

**COMPUTER PROGRAMMING I (9624 - COMPROI)****Grade: 10 - 12****Prerequisites: Principles of IT****Credit: 1.0**

In Computer Programming I, students will acquire knowledge of structured programming techniques and concepts appropriate to developing executable programs and creating appropriate documentation. Students will analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as related to computer programming. Students will apply technical skills to address business applications of emerging technologies.

**COMPUTER PROGRAMMING II (9623 - COMPROII)****Grade: 11 - 12****Prerequisites: Principles of IT and Programming I****Credit 1.0**

In Computer Programming II, students will expand their knowledge and skills in structured programming techniques and concepts by addressing more complex problems and developing comprehensive programming solutions. Students will analyze the social responsibility of business and industry regarding the significant issues relating to environment, ethics, health, safety, and diversity in society and in the workplace as related to computer programming. Students will apply technical skills to address business applications of emerging technologies.

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**ARCHITECTURE AND CONSTRUCTION**

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**PRINCIPLES OF CONSTRUCTION (9900 – PRINCONST)****Credit: 1.0****Grade: 9 - 12****Prerequisites: None**

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

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## HEALTH SCIENCE

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### **PRINCIPLES OF HEALTH SCIENCE (8816 - PRINHLSC)**

**Grade: 9 - 10**

**Prerequisite: None**

**Credit 1.0**

The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.

### **PRACTICUM IN HEALTH SCIENCE (9614 – PRACHLS1)**

**Credit 2.0**

**Grade: 11-12**

**Prerequisite: Biology, Medical Terminology, A&P 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.

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## SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

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### **PRINCIPLES OF APPLIED ENGINEERING (9615 - PAE)**

**Credit 1.0**

**Grade: 9 - 10**

**Prerequisites: None**

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.

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## EDUCATION AND TRAINING

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### **PRINCIPLES OF EDUCATION AND TRAINING (PRINEDTR)**

**Grade: 9 - 12**

**Prerequisite: None**

**Credit: 1.0**

Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster. Students use self-knowledge as well as educational and career information to analyze various careers within the Education and Training Career Cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

### **HUMAN GROWTH AND DEVELOPMENT (9131 - HUGRDEV)**

**Grade: 10 - 12**

**Prerequisite: None**

**Credit 1.0**

Human Growth and Development is an examination of human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The

course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

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## HOSPITALITY AND TOURISM

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### **INTRODUCTION TO CULINARY ARTS (INCULART)**

**Grade: 9-12**

**Prerequisite: None**

**Credit: 1.0**

Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the food service industry. This course is offered as a classroom and laboratory-based course.

### **CULINARY ARTS (9709 - CULARTS)**

**Grade 10 - 12**

**Prerequisite: Introduction to Culinary Arts**

**Credit 1.0**

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification or other appropriate industry certifications. This course is offered as a laboratory-based course.

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## TRANSPORTATION, DISTRIBUTION AND LOGISTICS

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### **PRINCIPLES OF TRANSPORTATION SYSTEMS (9705 - PRINTRSY)**

**Grade: 9 - 12**

**Prerequisite: None**

**Credit: 1.0**

In Principles of Transportation Systems, students will gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. This knowledge includes the history, laws and regulations, and common practices used in the transportation industry. Students should apply knowledge and skills in the application, design, and production of technology as it relates to the transportation industries. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

### **AUTOMOTIVE TECHNOLOGY I: MAINTENANCE AND LIGHT REPAIR (AUTOTEC1)**

**Grade: 9 - 12**

**Prerequisite: Principles of Transportation Systems**

**Credit 2.0**

Automotive Technology I: Maintenance and Light Repair includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. This course includes applicable safety and environmental rules and regulations. In Automotive Technology I: Maintenance and Light Repair, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

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## HUMAN SERVICES

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### **INTRODUCTION TO COSMETOLOGY (9616 - INTCOSMO)**

**Grade: 9 - 12**

**Prerequisite: None**

**Credit: 1.0**

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

### **COSMETOLOGY I (9625 - COSMET1)**

**Grade: 10 - 11**

**Prerequisite: Intro to Cosmetology**

**Credit: 2.0**

In Cosmetology I, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included.

## **LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY**

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### **PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY (9997 - PRINLPCS)**

**Grade: 9 - 12**

**Prerequisite: None**

**Credit: 1.0**

Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law enforcement, protective services, corrections, firefighting, and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, protective services, and corrections.

### **LAW ENFORCEMENT I (9706 - LAWENFI)**

**Grade 9 - 12**

**Prerequisite: Principles of Law, Public Safety**

**Credit: 1.0**

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

### **LAW ENFORCEMENT II (9716 - LAWENF2)**

**Grade: 10 - 12**

**Prerequisite: Principles of Law, Public Safety  
& Law Enforcement I**

**Credit: 1.0**

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. Students will understand ethical and legal responsibilities, patrol procedures, first responder roles, telecommunications, emergency equipment operations, and courtroom testimony.



## **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, at an ACC campus, or online (Distance Learning classes). Classes taken at any ACC campus, LHS, or online require a \$150.00 registration fee (Fees are subject to change by ACC). Students may be required to purchase a 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. Students are responsible for any tuition required by ACC. 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 on the LHS campus. Students are responsible for any tuition required by ACC. 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  
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 I (1 credit)  
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)