

LEANDER ISD

LEADING TO A BRIGHT FUTURE



2025-2026
Course Catalog

Designed by:
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Rouse High School

VISION & MISSION



VISION



MISSION

The #1LISD community cultivates each student individually to produce the most sought-after creators of our future world.

We will cultivate each individual student by:

- Knowing and appreciating them
- Creating a safe and supportive environment to nurture their personal growth
- Partnering with each family



Leander High School
3301 S. Bagdad Road
Leander, TX 78641
512-570-1000
Mascot: Lions
Established 1899
lhs.leanderisd.org



New Hope High School
401 S. West Drive
Leander, TX 78641
512-570-2200
Mascot: Phoenix
Established 1997
nhhs.leanderisd.org



Cedar Park High School
2150 Cypress Creek Road
Cedar Park, TX 78613
512-570-1200
Mascot: Timberwolves
Established 1998
cphs.leanderisd.org



Vista Ridge High School
200 S. Vista Ridge Blvd.
Cedar Park, TX 78613
512-570-1800
Mascot: Rangers
Established 2003
vrhs.leanderisd.org



Rouse High School
1222 Raider Way
Leander, TX 78641
512-570-2000
Mascot: Raiders
Established 2008
rhs.leanderisd.org



Vandegrift High School
9500 McNeil Drive
Austin, TX 78750
512-570-2300
Mascot: Vipers
Established 2009
vhs.leanderisd.org



Glenn High School
1320 Collaborative Way
Leander, TX 78641
512-570-1400
Mascot: Grizzlies
Established 2016
ghs.leanderisd.org



Early College High School
449 San Gabriel Campus Drive
Leander, TX 78641
512-223-2650
Mascot: Griffins
Established 2022
echs.leanderisd.org

WELCOME TO LEANDER ISD

In Leander ISD, we are committed to excellence for all students. Our goal is to cultivate each student individually to produce the most sought after creators of our future world. Our district prides itself on providing academically rigorous learning experiences that empower our students to be critical and creative thinkers, skilled communicators and collaborators, compassionate community contributors, and adaptable and reflective individuals.

Leander ISD has a strong culture of helping students prepare for life after high school including college, career and military service. Our students aspire to academic excellence and personal best, while positioning themselves for success in college and careers beyond.

- **DEVELOPING A 4-YEAR PLAN** – To ensure all students complete a challenging course of study and reach their potential, students begin their high school 4-year plan during their 8th grade year. As you dig into your course catalog, you will be challenged to think beyond course selections for this year, and consider where you want to be in five years. Each decision you make now can affect the options you will have later. Leander ISD encourages students to develop a personal pathway to post high school success by developing a challenging personal graduation plan that keeps the maximum number of options open for you. In high school, all students will meet individually with their school counselor annually to update their 4-year plan as well as plan and prepare for life after high school.
- **PROVIDING AN EDGE** – An important goal at each of our high schools is to set our graduates apart from students in other districts. We want to give you an edge. Research shows that students who take more challenging courses in math, science, and the humanities, participate in advanced programs, and earn college credit while in high school are more likely to be successful in college and in their career. It is essential to plan a challenging academic program that aligns with your talents and interests. Understanding the rich array of courses available to you is the first step in making these important decisions.
Opportunities include:
 - **AP, IB, and Advanced Programs** – A rich array of internationally recognized college-preparatory courses in math, science, language, social sciences, arts and technology.
 - **Dual Credit Program** – Provides high school students the opportunity to earn college credit while in high school.
 - **Area of Concentration** – Based on their interests, aptitudes and goals, students choose specific areas of study to create a program combining academically challenging courses and electives in their areas of interest. This strategy yields more in-depth knowledge and interrelated skills in their area of interest and heightened preparation to continue their study in this field in post-secondary education.

Course selections determine how the master schedule is developed. Because the choices you make are extremely important to the planning of our school year, we ask that you honor your selections. Effort will be made to schedule you with your course choices, though some conflicts are unavoidable. List alternative electives as you complete your course selections.

In Leander ISD, we want students to make informed decisions about course selections and to realize the impact these decisions have on their futures. The faculty and staff remain committed to excellence as we look forward to the coming year of opportunities to support our students to reach their maximum potential.



TABLE OF CONTENTS

LEANDER ISD GRADUATION PLANS.....	5
TEXAS FIRST DIPLOMA.....	6
ENDORSEMENT AREAS.....	7
RECOMMENDED COURSE SEQUENCES.....	8
ENDORSEMENT REQUIREMENTS.....	12
Arts and Humanities.....	12
Business and Industry.....	14
Public Service.....	20
Science, Technology, Engineering and Math.....	23
Multidisciplinary.....	26
MATH AND SCIENCE COURSE SEQUENCE.....	28
HIGH SCHOOL GRADUATION REQUIREMENTS.....	29
High School Graduation Plans.....	29
Required State Assessments for Graduation.....	29
Early Graduation.....	29
GENERAL INFORMATION.....	30
Grade Level Classifications.....	30
Schedule Changes.....	30
High School Courses Taken in Middle School.....	30
Summer School.....	30
Physical Education Substitutes.....	31
Language Other Than English (LOTE) Substitutes.....	31
Correspondence, Distance & Virtual Courses.....	32
Credit by Examination.....	32
Section 504 Services.....	33
Emergent Bilingual Services.....	33
Special Education Services.....	34
COLLEGE AND CAREER READINESS.....	35
College Preparatory Courses and Programs.....	35
Career and Technical Education (CTE).....	36
College Entrance Exams.....	36
Early College High School.....	37
Gifted and Talented Services.....	38
Naviance.....	38
Dual Credit Program – Austin Community College.....	38
Automatic Admission to Texas Public Colleges and Universities.....	39
Texas Success Initiative (TSI).....	39
Free Application for Federal Student Aid (FAFSA).....	40
Armed Services Vocational Aptitude Battery (ASVAB) Career Exploration Program.....	40
Parent/Guardian Request to Repeat a High School Course.....	40
Performance Acknowledgements.....	41

GPA Calculation and Reporting.....42

LEANDER ISD & AUSTIN COMMUNITY COLLEGE APPROVED DUAL CREDIT COURSES.....44

COURSE SELECTIONS.....46

ENGLISH..... 47

MATHEMATICS..... 51

SCIENCE.....54

SOCIAL STUDIES.....58

LANGUAGES OTHER THAN ENGLISH.....62

FINE ARTS.....66

HEALTH/PHYSICAL EDUCATION..... 74

COLLEGE, CAREER AND LEADERSHIP DEVELOPMENT.....76

CAREER AND TECHNICAL EDUCATION..... 80

COURSE DESCRIPTION INDEX..... 108

The information in this catalog is subject to change based on new information mandated through the Texas Legislature, the Texas Education Agency or the State Board of Education. This course catalog will be updated periodically online as new information is received.

LEANDER ISD GRADUATION PLANS

The Distinguished Level of Achievement or Leander ISD Distinguished with Honors graduation plans are required to qualify for Automatic (Top 10%) Admission to Texas state colleges and universities. Recognition is given to seniors who graduate on the Leander ISD Distinguished with Honors Plan as a Texas Scholar. Students are recognized with a Texas Scholar medal to be worn at graduation. Although the Leander ISD Distinguished with Honors graduation plan exceeds the State of Texas requirements, it is a local acknowledgement and will not be reflected on a student transcript.

Foundation + Endorsements

26 CREDITS

English_____4 Credits
ELA I, II, III, one credit in any authorized English course*

Math_____4 Credits
Algebra I, Geometry, two credits in any authorized math course*

Science_____4 Credits
Biology; IPC, Chemistry or Physics; and two credits in any authorized science course*

Social Studies_____3 Credits
World Geography or World History; U.S. History; U.S. Government (.5 credit); Economics (.5 credit)

Languages Other Than English_2 Credits

Physical Education_____1 Credit

Fine Arts_____1 Credit

Electives_____7 Credits

Credit requirements specific to at least one endorsement.

Distinguished Level of Achievement

26 CREDITS

English_____4 Credits
ELA I, II, III, one credit in any authorized English course*

Math_____4 Credits
Algebra I, Geometry, Algebra II, one credit in any authorized math course*

Science_____4 Credits
Biology; IPC, Chemistry or Physics; and two credits in any authorized science course*

Social Studies_____3 Credits
World Geography or World History; U.S. History; U.S. Government (.5 credit); Economics (.5 credit)

Languages Other Than English_2 Credits

Physical Education_____1 Credit

Fine Arts_____1 Credit

Electives_____7 Credits

Credit requirements specific to at least one endorsement.

LISD Distinguished with Honors

26 CREDITS

English_____4 Credits
ELA I, II, III, & IV

Math_____4 Credits
Algebra I, Geometry, Algebra II, 4th credit of Mathematics must have Algebra II as a minimum prerequisite

Science_____4 Credits
Biology; Chemistry or Physics, two additional credits in any authorized science courses*

Social Studies_____4 Credits
World Geography or World History; U.S. History; U.S. Government (.5 credit); Economics (.5 credit) one additional credit in any authorized social studies course*

Languages Other Than English_3 Credits
Must consist of three credits of the same language.

Physical Education_____1 Credit

Fine Arts_____1 Credit

Electives_____5 Credits

Credit requirements specific to at least one endorsement.

Chapter §74.11. of Texas Education Code requires students to demonstrate proficiency in communication skills needed for professional and social success. This state requirement will be met through the completion of English IV or approved substitutions. See Speech section of the course catalog for additional information.

**See school counselor for specific graduation requirement options for English, math and science.*

AP, IB or dual credit courses may be substituted for requirements in appropriate areas; check with your school counselor for available options.

The Foundation High School Program (22 credits) is available; however, this requires a conference with your school counselor and principal approval. A request to move to the Foundation High School Program can be made upon the completion of the 10th grade year.

Fast Track Your Path to Texas Universities

Texas First Program

We're excited to introduce the **TEXAS FIRST PROGRAM**. This prestigious opportunity enables you to graduate early with the Distinguished Level of Achievement AND receive a scholarship for college.

As one of Texas' top students, you may be eligible to accelerate your path to college and receive a scholarship for one or two semesters at any Texas public institution of higher education, including colleges, universities, and technical colleges.



Talk to your counselor today to see if this exciting new opportunity is the right path for you!

For more information, visit [our website](#) or scan the QR code on the left.

LOOKING
FOR MORE
INFORMATION



THE FINE PRINT:

Here's what you need to be eligible:

- Texas residency
- FAFSA completion
- At least 22 high school credits and a final GPA equivalent to 3.0 or higher
- Additional academic requirements, including college readiness test scores, STAAR exam participation, and demonstration of mastery in various subjects

The Texas Higher Education Coordinating Board website link above includes a detailed list of eligibility requirements.

If you graduate two or more semesters before your class, you'll receive a two-semester scholarship, equivalent to the amount of the TEXAS grant, upon admission to any Texas public institution of higher education, including colleges, universities, and technical colleges. You may also be eligible for additional financial aid at most of these institutions!

The Texas First Diploma does not guarantee automatic admission for students. Ask your counselor if your grade point average at graduation qualifies you for automatic admission under the state's top 10 percent law.

You can apply to any college or university you choose; however, the scholarship will apply only at the Texas public institution of higher education where you have been admitted.

Use it or lose it! The scholarship offer will expire at the end of the first academic year following your graduation, so we encourage you to attend college directly after high school.

NOTE: Before September 1, 2023, the Texas First Scholarship was only applicable at 10 Texas public universities. However, effective September 1, 2023, the number of

institutions of higher education eligible to award the Texas First Scholarship to eligible Texas First Diploma graduates expanded from 10 universities to all Texas public institutions of higher education, including colleges, universities, and technical colleges (Senate Bill 2294, 88th Texas Legislature, Regular Session). Please see your high school counselor for information regarding eligibility requirements to graduate early under the Texas First Program and receive a scholarship up to one year upon admission to any eligible Texas public institution of higher education, per Texas Education Code, Section 61.003.

ENDORSEMENT AREAS

Leander ISD offers more than 60 Areas of Concentration and CTE Programs of Study in five (5) state recognized endorsement areas: Science, Technology, Engineering and Mathematics (STEM); Business and Industry; Public Service; Arts and Humanities; and Multidisciplinary. Students can earn an endorsement by successfully completing the requirements of at least one of the options listed below. Achieved endorsements will be noted on high school transcripts. Please see the specific course requirements for each Area of Concentration or CTE Program of Study, which must be completed in order for a student to earn an Endorsement.

ENDORSEMENT AREAS				
Arts/Humanities	Business & Industry	Public Service	STEM	Multidisciplinary
<ul style="list-style-type: none"> ● Fine Arts: <ul style="list-style-type: none"> ○ Art: <ul style="list-style-type: none"> - Ceramic - Drawing - Painting - Photography - Printmaking - Sculpture ○ Dance ○ Music: Band ○ Music: Choir ○ Music Studies ○ Musical Theatre ○ Technical Theatre ○ Theatre Arts ● Languages Other Than English: <ul style="list-style-type: none"> ○ American Sign Language ○ Chinese ○ French ○ Spanish ● Social Studies 	<ul style="list-style-type: none"> ● Accounting and Financial Services <ul style="list-style-type: none"> ○ Accounting ○ Personal Finance ● Agricultural Technology and Mechanical Systems ● Animal Science <ul style="list-style-type: none"> ○ Animal Science Studies ○ Veterinary* ● Architectural Drafting and Design: <ul style="list-style-type: none"> ○ Architecture ○ Interior Design ● Automotive* ● Business Management ● Carpentry: Construction* ● Culinary Arts* ● Digital Communications: Audio/Video Production ● Electrical* ● English Electives: <ul style="list-style-type: none"> ○ Debate ○ News Media ○ Yearbook ● Entrepreneurship ● Graphic Design and Interactive Media: <ul style="list-style-type: none"> ○ Animation ○ Fashion Design ○ Graphic Design and Illustration ● Lodging and Resort Management* ● Marketing and Sales ● Plant Science: Floral Design ● Real Estate 	<ul style="list-style-type: none"> ● Cosmetology and Personal Care Services* ● Diagnostic and Therapeutic Services: Healthcare* ● Exercise Science, Wellness and Restoration ● Family and Community Services ● Health and Wellness ● JROTC: <ul style="list-style-type: none"> ○ Air Force* ○ Navy* ● Law Enforcement* ● Teaching and Training 	<ul style="list-style-type: none"> ● Biomedical Science (PLTW)* ● Cybersecurity ● Engineering Foundations (PLTW) ● Mathematics ● Math/Science Studies ● Programming and Software Development: <ul style="list-style-type: none"> ○ App Development* ○ Computer Science Studies ● Science 	<ul style="list-style-type: none"> ● Multidisciplinary Option 1: Four credits in each of the four foundation subject areas to include English IV and Chemistry and/or Physics ● Multidisciplinary Option 2: Four credits in AP, IB or dual credit selected from English, mathematics, science, social studies, economics, LOTE and fine arts.

**offered at designated campuses only*

RECOMMENDED COURSE SEQUENCES

The following charts are guides to help students in creating their four-year plan. Not all courses listed in the recommended sequence are required for an endorsement. Additional course substitution options for completing an endorsement are in the endorsement requirement section of the catalog. Courses may be moved or skipped in the recommended sequence, but specific course prerequisites and grade level requirements must be met.

ARTS AND HUMANITIES ENDORSEMENT				
Recommended Course Sequence				
Fine Arts: Art (4 credits)	Art I, *Art I Studio	*Art II: (Ceramics, Drawing, Painting, Photography, Printmaking, Sculpture), *Art History AP	*Art III: (Ceramics, Drawing, Painting, Photography, Printmaking, Sculpture), *Art-2D AP, *Art Drawing Portfolio AP, *Art IB SL/HL	*Art IV: (Ceramics, Drawing, Painting, Photography, Printmaking, Sculpture), *Art-3D AP, *Art IB HL
Fine Arts: Dance (4 credits)	Fine Arts I: Principles of Dance I	Fine Arts II: *Principles Dance II or *Dance Performance/Team I	Fine Arts III: *Principles of Dance III or *Dance Performance/Team II, *Dance Composition I, Dance IB SL/HL	Fine Arts IV: *Principles of Dance IV or *Dance Performance/Team III, *Dance Composition II, Dance IB HL
Fine Arts: Music Band (4 credits)	Fine Arts I: Band I	Fine Arts II: *Band II	Fine Arts III: *Band III, *Music Theory AP, Music IB SL/HL	Fine Arts IV: *Band IV, Music IB HL
Fine Arts: Music Choir (4 credits)	Fine Arts I: Choir I	Fine Arts II: *Choir II	Fine Arts III: *Choir III, *Music Theory AP, Music IB SL/HL	Fine Arts IV: *Choir IV, Music IB HL
Fine Arts: Musical Theatre (4 credits)	Fine Arts I: Musical Theatre I	Fine Arts II: *Musical Theatre II	Fine Arts III: *Musical Theatre III	Fine Arts IV: *Musical Theatre IV
Fine Arts: Technical Theatre (4 credits)	Fine Arts I: Technical Theatre I	Fine Arts II: *Technical Theatre II	Fine Arts III: *Technical Theatre III	Fine Arts IV: *Technical Theatre IV
Fine Arts: Theatre (4 credits)	Fine Arts I: Theatre I, *Theatre Production I	Fine Arts II: *Theatre II, *Theatre Production II	Fine Arts III: *Theatre III, *Theatre Production III, *Theatre Arts IB SL/HL	Fine Arts IV: *Theatre IV, *Theatre Production IV, *Theatre Arts IB HL
Languages Other Than English (Option 1) (4 credits in the same language)		See options in the Program of Study Requirement section. Current language options are American Sign Language (ASL), Chinese, French, Latin and Spanish.		
Languages Other Than English (Option 2) (2 credits in same language and 2 additional credit in the same language)		See options in the Program of Study Requirement section. Current language options are American Sign Language (ASL), Chinese, French, Latin and Spanish.		
Social Studies (5 social studies credits)	World Geography or AP Human Geography	World History or AP World History	US History, US History AP, History of Americas IB HL1, *Psychology AP/ IB SL/HL, Influence of the Old/New Testament, Psychology/Sociology, Personal Financial Literacy, Mexican American Studies, African American Studies	Government/Economics, Government AP/Macroeconomics AP, *Psychology IB HL, European History AP, *History of Americas IB HL2, Microeconomics AP

*Indicates the course has a required prerequisite

BUSINESS AND INDUSTRY ENDORSEMENT

Recommended Course Sequence

<u>Accounting and Financial Services: Accounting</u> (4 credits - one course in bold required)	Principles of Business, Marketing and Finance	Accounting I, Business Information Management I	*Accounting II	*Practicum in Business Management: Accounting
<u>Accounting and Financial Services: Personal Finance</u> (4 credits - one course in bold required)	Principles of Business, Marketing and Finance	Money Matters, Business Information Management I	*Securities and Investments	*Practicum in Business Management: Personal Finance
<u>Agricultural Technology and Mechanical Systems</u> (4 credits - course in bold required)	Principles of Agriculture, Food and Natural Resources	Agriculture Mechanics and Metal Technologies	*Agricultural Structures Design and Fabrications	*Practicum of Agriculture, Food and Natural Resources: Agricultural Technology and Mechanical Systems
<u>Animal Science Studies</u> (4 credits - one course in bold required)	Principles of Agriculture, Food and Natural Resources	Equine Science & Small Animal Management, Livestock and Poultry Production	*Advanced Animal Science	*Practicum in Agriculture, Food and Natural Resources: Animal Science
<u>Animal Science - Veterinary</u> (4 credits - course in bold required)	Principles of Agriculture, Food and Natural Resources	Equine Science & Small Animal Management, Livestock and Poultry Production	*Veterinary Science	*Advanced Animal Science, *Practicum in Agriculture, Food and Natural Resources: Veterinary Science
<u>Architectural Drafting and Design: Architecture</u> (4 credits - course in bold required)	Principles of Architecture and Interior Design	Architectural Design I	*Architectural Design II	*Practicum in Architectural Design: Architecture
<u>Architectural Drafting and Design: Interior Design</u> (4 credits - course in bold required)	Principles of Human Services, Principles of Architecture and Interior Design	Interior Design I	*Interior Design II	*Practicum in Interior Design
<u>Automotive</u> (4 credits - course in bold required)	Principles of Transportation Systems	Automotive Basics	*Automotive Technology I: Maintenance and Light Repair	*Automotive Technology II: Automotive Service or *Practicum in Transportation Systems
<u>Business Management</u> (4 credits - course in bold required)	Principles of Business, Marketing and Finance	Business Management, Business Information Management I	Business Law	*Practicum in Business Management
<u>Carpentry: Construction</u> (4 credits - course in bold required)	Principles of Construction	*Construction Technology I	*Construction Technology II	*Practicum in Construction Technology
<u>Culinary Arts</u> (4 credits - course in bold required)	Introduction to Culinary Arts	*Culinary Arts	*Advanced Culinary Arts	*Practicum in Culinary Arts
<u>Digital Communications: Audio/Video Production</u> (4 credits - course in bold required)	Audio/Video Productions I	*Audio/Video Production II/Lab	*Practicum of Audio/Video Production I	*Practicum of Audio/Video Production II
<u>Electrical</u> (4 credits - course in bold required)	Electrical Technology I	*Electrical Technology II	*Practicum in Construction Technology I: Electrical	*Practicum in Construction Technology II: Electrical
<u>English Electives: Advanced Journalism - News Media</u> (4 credits - courses in bold required)	Journalism	Advanced Journalism: News Media I, Photojournalism I	*Advanced Journalism: News Media II	*Advanced Journalism: News Media III
<u>English Electives: Advanced Journalism - Yearbook</u> (4 credits - courses in bold required)	Journalism	Advanced Journalism: Yearbook I, Photojournalism I	*Advanced Journalism: Yearbook II	*Advanced Journalism: Yearbook III
<u>English Electives: Speech and Debate</u> (4 credits - courses in bold required)	Debate I	*Debate II	*Debate III	*Independent Study in Speech
<u>Entrepreneurship</u> (4 credits - one course in bold required)	Principles of Business, Marketing and Finance	*Entrepreneurship, Business Information Management I	*Entrepreneurship II	*Practicum in Entrepreneurship
<u>Entrepreneurship - INCubator</u> (4 credits - one course in bold required)	Principles of Business, Marketing and Finance	Business Information Management I, Any CTE course	*Entrepreneurship (INCubator edu)	*Practicum in Entrepreneurship (ACCElerator edu), Entrepreneurship II

*Indicates the course has a required prerequisite

BUSINESS AND INDUSTRY ENDORSEMENT				
Recommended Course Sequence				
<u>Graphic Design and Interactive Media: Animation</u> (4 credits - course in bold required)	Principles of Arts, A/V and Communications	Animation I	*Animation II/Lab	*Practicum in Animation
<u>Graphic Design and Interactive Media: Fashion Design</u> (4 credits - course in bold required)	Principles of Human Services, Principles of Arts, A/V and Communications	Fashion Design I	*Fashion Design II	*Practicum in Fashion Design
<u>Graphic Design and Interactive Media: Graphic Design and Illustration</u> (4 credits - course in bold required)	Principles of Arts, A/V and Communications	Graphic Design and Illustration I	*Graphic Design and Illustration II/ Lab	*Practicum in Graphic Design and Illustration
<u>Lodging and Resort Management</u> (4 credits - course in bold required)	Principles of Human Services, Principles of Business, Marketing and Finance	Travel and Tourism Management	*Hospitality Services	*Practicum in Hospitality Services
<u>Marketing and Sales</u> (4 credits - course in bold required)	Principles of Business, Marketing and Finance	Marketing	*Advertising & Social Media Marketing	*Practicum in Marketing
<u>Plant Science: Floral Design</u> (4 credits - course in bold required)	Principles of Agriculture, Food and Natural Resources	Floral Design	*Advanced Floral Design	*Practicum in Agriculture, Food and Natural Resources: Floral Design
Real Estate (4 credits - course in bold required)	Principles of Business, Marketing and Finance	Marketing, Entrepreneurship I	Business Law	*Practicum in Business Management: Real Estate

PUBLIC SERVICE ENDORSEMENT				
Recommended Course Sequence				
<u>Cosmetology and Personal Care Services</u> (6 credits - courses in bold required)	Principles of Human Services	Entrepreneurship I	Introduction to Cosmetology, Cosmetology I	*Cosmetology II
<u>Diagnostic and Therapeutic Services: Healthcare</u> (4 credits - course in bold required)	Principles of Health Science	Medical Terminology	*Health Science Theory, Anatomy and Physiology, Medical Microbiology	*Practicum in Health Science: Medical Assistant, *Practicum in Health Science: Pharmacy Technician
<u>Exercise Science, Wellness and Restoration</u> (4 credits - course in bold required)	Principles of Health Science	Kinesiology I, Lifetime, Nutrition, Wellness & Interpersonal Studies, Medical Terminology	*Kinesiology II, Anatomy and Physiology	*Practicum in Entrepreneurship: Exercise Science, *CTE Project-Based Capstone
<u>Family and Community Services</u> (4 credits - one course in bold required)	Principles of Human Services	Human Growth and Development	*Counseling and Mental Health, *Family and Community Services	*Practicum in Human Services: Family and Community Services
<u>Family and Community Services: PALS</u> (4 credits - course in bold required)	Principles of Human Services	Human Growth and Development	*Family and Community Services: PALS I	*CTE Project-Based Capstone: PALS II
<u>Health and Wellness</u> (4 credits - course in bold required)	Principles of Human Services	Lifetime Nutrition, Wellness & Interpersonal Studies	*Applied Nutrition and Dietetics	*Practicum in Human Services: Health and Wellness
<u>Junior Reserve Office Training Corp (JROTC) Air Force (LHS) or Navy (VRHS)</u> (4 credits - Levels I-IV required)	AFJROTC I or NJROTC I	*AFJROTC II or *NJROTC II	*AFJROTC III or *NJROTC III	*AFJROTC IV or *NJROTC IV
<u>Law Enforcement</u> (4 credits - one course in bold required)	Principles of Law, Public Safety, Corrections, and Security	Law Enforcement I	*Law Enforcement II, *Criminal Investigation, Counseling and Mental Health	*Forensic Science; *Practicum in Law, Public Safety, Corrections and Security: Law Enforcement
<u>Teaching and Training</u> (4 credits - course in bold required)	Principles of Education	*Instructional Practice, Human Growth and Development	*Practicum in Education & Training I	*Practicum in Education & Training II

*Indicates the course has a required prerequisite

STEM ENDORSEMENT				
Recommended Course Sequence				
Biomedical Science (PLTW) (7 credits - course in bold required plus Chemistry, Physics and Algebra II)	Principles of Biomedical Science	*Human Body Systems, Medical Terminology	* Medical Interventions , Medical Microbiology, Anatomy and Physiology	*Scientific Research and Design: Biomedical Science
Cybersecurity 7 credits - course in bold required, Chemistry, Physics and Algebra II)	Computer Science Principles AP or *Computer Science I Advanced	*Foundation of Cybersecurity	* Cybersecurity Capstone	*Practicum in IT: Cybersecurity
Engineering Foundations (PLTW) (7 credits - one course in bold required plus Chemistry, Physics and Algebra II)	Introduction to Engineering Design	* Aerospace Engineering , * Digital Electronics	* Engineering Science , * Computer Integrated Manufacturing	*Practicum in STEM: Engineering
Mathematics 5 math credits including Algebra II plus Chemistry and Physics	Algebra I	Geometry, Algebraic Reasoning	Algebra II, Statistics, Computer Science A AP, Math IB SL/HL, Math Independent Study	Calculus AB/BC AP, Statistics AP, Math IB HL, Computer Science IB HL
Programming and Software Development: App Development (7 credits - course in bold required plus Chemistry, Physics and Algebra II)	Computer Science Principles AP, *Computer Science I Advanced	* Mobile Application Development: MobileMakersEdu	*Practicum in IT: MobileMakersStudio	*Practicum in IT: Mobile App Development
Programming and Software Development: Computer Science Studies (7 credits - course in bold required plus Chemistry, Physics and Algebra II)	Computer Science I Advanced	* Computer Science A AP	*Computer Science III, Computer Science IB SL/HL	*Practicum in IT: Computer Science Studies, *Practicum in IT: MobileMakerStudio
Science (5 science credits including Chemistry and Physics plus Algebra II)	Biology I	Chemistry	Physics, Anatomy and Physiology, Astronomy, Environmental Sciences AP, Environmental Systems, IPC, Advanced Animal Science	Medical Microbiology, Biology AP/IB, Chemistry AP/IB, Physics AP/IB, Earth Systems Science, Scientific Research and Design, Engineering Science, Specialized Topics in Science
Math/Science Studies (5 credits required)	See options in the Program of Study Requirement section.			

MULTIDISCIPLINARY ENDORSEMENT				
Recommended Course Sequence				
Multidisciplinary (Option 1) (16 credits - Four credits in each of the foundation areas to include English IV, Chemistry and/or Physics)	English I, Algebra I, Biology I, World Geography or Human Geography AP	English II, Geometry, IPC (Chemistry or Physics must be taken afterward), Chemistry, World History or World History AP	English III or English III AP/IB, Algebra II or 3rd math course, Physics or 3rd science course, US History or US History AP or History of Americas HL IB	English IV or English IV AP/IB, 4th math course, 4th science course, Government/Economics or Government AP/Economics AP, 4th social studies course (if needed)
Multidisciplinary (Option 2) (See options in Program of Study Requirement section.)	See options in the Program of Study Requirement section.			

*Indicates the course has a required prerequisite

ENDORSEMENT REQUIREMENTS

Area of Concentration or CTE Program of Study – Based on interests, aptitudes and goals, students should choose Areas of Concentration or CTE Programs of Study to create a personalized program combining academically challenging courses and electives in their areas of interest. This strategy yields more in-depth knowledge and interrelated skills in their area of interest and heightened preparation to continue their study in this field in post-secondary education.

Understanding the Endorsement Charts:

1. Select an Area of Concentration or CTE Program of Study based on the career field in which you are interested.
2. The number of credits needed to earn an endorsement refers to credits earned by passing identified courses; this number varies by Area of Concentration or CTE Program of Study
3. Credit must be earned in any prerequisite courses listed.
4. Credit must be earned in any required courses listed.

Students passing three or more CTE (Career and Technical Education) high school credit courses for a total of four or more credits within the same CTE Program of Study will be designated a CTE Completer.

Arts and Humanities

Arts and Humanities Endorsement							
A student may earn an Arts and Humanities Endorsement by completing the required credits from at least one Area of Concentration listed below. With written permission of the parents, a student may substitute a course from ELA, Social Studies, LOTE or Fine Arts for the 4th science requirement.							
Fine Arts							
4 Credits Required							
Choose at least 4 credits from no more than two of the areas listed below:							
Art Area of Concentration	Dance Area of Concentration	Music: Band Area of Concentration	Music: Choir Area of Concentration	Music Studies Area of Concentration	Musical Theatre Area of Concentration	Technical Theatre Area of Concentration	Theatre Area of Concentration
<ul style="list-style-type: none"> • Art I-IV (Ceramics, Drawing, Painting, Photography, Printmaking, Sculpture) • Art - Drawing Portfolio AP • Art - Two Dimensional Design AP • Art - Three Dimensional Design AP • Art - Art History AP 	<ul style="list-style-type: none"> • Principles of Dance I-IV • Dance Performance / Team Prep I-IV • Dance Performance / Team JV I-IV • Dance Performance / Team I-IV • Dance Composition I-II • Dance IB SL • Dance IB HL 	<ul style="list-style-type: none"> • Band: Wind Ensemble I-IV • Band: Symphonic Winds I-IV • Band: Symphonic Band I-IV • Band: Concert Band I-IV • Band: Jazz Ensemble I-IV 	<ul style="list-style-type: none"> • Choir: Bass/ Tenor I-IV • Choir: Treble I-IV • Choir: Mixed I-IV • Choir: Vocal Ensemble I-IV 	<ul style="list-style-type: none"> • Music IB SL • Music IB HL • Music Theory AP • Music Theory 	<ul style="list-style-type: none"> • Musical Theatre I - IV 	<ul style="list-style-type: none"> • Technical Theatre I-IV 	<ul style="list-style-type: none"> • Theatre I-IV • Theatre Production I-IV • Theatre Arts IB SL • Theatre Arts IB HL

Arts and Humanities Endorsement

A student may earn an Arts and Humanities endorsement by completing the required credits from at least one Area of Concentration listed below. With written permission of the parents, a student may substitute a course from ELA, Social Studies, LOTE or Fine Arts for the 4th science requirement.

Languages Other Than English (Option 1) <i>Area of Concentration</i>	Languages Other Than English (Option 2) <i>Area of Concentration</i>	Social Studies <i>Area of Concentration</i>
4 Credits Required	4 Credits Required	5 Credits Required
<p>Choose 4 credits of the same language:</p> <ul style="list-style-type: none"> ● ASL I - IV ● Chinese I - IV ● French I - IV ● Spanish I - V 	<p>Choose 2 credits of the same language and 2 additional credits of the same language:</p> <ul style="list-style-type: none"> ● ASL I - IV ● Chinese I - IV ● French I - IV ● Spanish I - V 	<p>Choose 5 credits from the courses below:</p> <ul style="list-style-type: none"> ● African American Studies ● Economics or Macroeconomics AP ● European History AP ● History of Americas HL 1 & HL 2 ● Influence of the Old/New Testament ● Investigations in Psychology/Psychology AP ● Mexican American Studies ● Microeconomics AP ● Personal Financial Literacy ● Psychology ● Psychology, IB SL & HL ● Sociology ● Special Topics in Social Studies ● US Government or US Government AP ● US History or US History AP ● World Geography or Human Geography AP ● World History or World History AP

Business and Industry

Business and Industry Endorsement

A student may earn a Business and Industry endorsement by completing the required credits from at least one Area of Concentration or CTE Program of Study listed below.

**Course has a required prerequisite*

Accounting and Financial Services: Accounting <i>CTE Program of Study</i>	Accounting and Financial Services: Personal Finance <i>CTE Program of Study</i>	Agricultural Technology and Mechanical Systems <i>CTE Program of Study</i>	Animal Science <i>CTE Program of Study</i>
4 Credits Required	4 Credits Required	4 Credits Required	4 Credits Required
<p>Required Courses: Choose at least one course from the following:</p> <ul style="list-style-type: none"> *Accounting II (1) *Practicum in Business Management: Accounting (2) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> Principles of Business, Marketing and Finance (1) Accounting I (1) Money Matters (1) Business Information Management I (1) Career Preparation for Programs of Study (3) 	<p>Required Courses: Choose at least one course from the following:</p> <ul style="list-style-type: none"> *Security and Investments (1) *Practicum in Business Management: Personal Finance (2) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> Principles of Business, Marketing and Finance (1) Money Matters (1) Accounting I (1) Business Information Management I (2) Career Preparation for Programs of Study (3) 	<p>Required Course:</p> <ul style="list-style-type: none"> *Agricultural Structures Design and Fabrications (2) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> Principles of Agriculture, Food and Natural Resources (1) Agriculture Mechanics and Metal Technologies (1) *Practicum in Agriculture, Food and Natural Resources: Agriculture Technology and Mechanical Systems (2) Career Preparation for Programs of Study (3) *CTE Project-Based Capstone (1) <p><i>Note: Students who complete the Agricultural Technology and Mechanical Systems Program of Study requirements are eligible to earn a STEM endorsement by also completing Algebra II, Chemistry and Physics.</i></p>	<p>Required Courses: Choose at least one course from the following:</p> <ul style="list-style-type: none"> Livestock and Poultry Production (1) *Advanced Animal Science (1) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> Principles of Agriculture, Food and Natural Resources (1) Equine Science & Small Animal Management (1) *Practicum in Agriculture, Food and Natural Resources: Animal Science (2) *Veterinary Science (1) Entrepreneurship I (1) Career Preparation for Programs of Study (3) *CTE Project-Based Capstone (1) <p><i>Note: Students who complete the Animal Science Program of Study requirements are eligible to earn a STEM endorsement by also completing Algebra II, Chemistry and Physics.</i></p>
<p>Industry-Based Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.</p>			
<ul style="list-style-type: none"> Intuit QuickBooks Certified User 		<ul style="list-style-type: none"> Occupational Health and Safety Admin (OSHA) Construction - 10 Hour American Welding Society (AWS) - SENSE Level I, and D1.1 Structural Steel, D9.1 Sheet Metal Welding 	<ul style="list-style-type: none"> Equine Management & Evaluation Certification (National Horse Judging Association)

Business and Industry Endorsement

A student may earn a Business and Industry endorsement by completing the required credits from at least one Area of Concentration or CTE Program of Study listed below.

**Course has a required prerequisite*

Animal Science Veterinary Medicine <i>CTE Program of Study</i>	Architectural Drafting and Design: Architecture <i>CTE Program of Study</i>	Architectural Drafting and Design: Interior Design <i>CTE Program of Study</i>	Automotive (RHS) <i>CTE Program of Study</i>
4 Credits Required	4 Credits Required	4 Credits Required	4 Credits Required
Required Course: <ul style="list-style-type: none"> *Veterinary Science (1) Choose additional credits from the following: <ul style="list-style-type: none"> Principles of Agriculture, Food and Natural Resources (1) Equine Science & Small Animal Management (1) Livestock and Poultry Production (1) *Practicum in Agriculture, Food and Natural Resources: Veterinary Science (LHS, VHS, VRHS) (2) *Advanced Animal Science (1) Career Preparation for Programs of Study (3) *CTE Project-Based Capstone (1) <p><i>Note: Students who complete the Animal Science Program of Study requirements are eligible to earn a STEM endorsement by also completing Algebra II, Chemistry and Physics.</i></p>	Required Course: <ul style="list-style-type: none"> *Architectural Design II (2) Choose additional credits from the following: <ul style="list-style-type: none"> Principles of Architecture and Interior Design (1) Architectural Design I (1) *Practicum in Architectural Design (2) Interior Design I (1) Principles of Construction (CPHS & GHS) (1) Career Preparation for Programs of Study (3) *CTE Project-Based Capstone (1) <p><i>Note: Students who complete the Architectural Drafting and Design Program of Study requirements are eligible to earn a STEM endorsement by also completing Algebra II, Chemistry and Physics.</i></p>	Required Course: <ul style="list-style-type: none"> *Interior Design II (2) Choose additional credits from the following: <ul style="list-style-type: none"> Principles of Architecture and Interior Design (1) Interior Design I (1) *Practicum of Interior Design (2) Architectural Design I (1) Principles of Construction (CPHS & GHS) (1) Career Preparation for Programs of Study (3) *CTE Project-Based Capstone (1) 	Required Course: <ul style="list-style-type: none"> *Automotive Technology I: Maintenance and Light Repair (2) Choose additional credits from the following: <ul style="list-style-type: none"> Principles of Transportation System (1) Automotive Basics (1) *Automotive Technology II: Automotive Service (2) *Practicum in Transportation Systems (2) Entrepreneurship I (1) Career Preparation for Programs of Study (3)
Industry-Based Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.			
<ul style="list-style-type: none"> Certified Veterinary Assistant Level 1 (Texas Veterinary Medical Association) 	<ul style="list-style-type: none"> Autodesk Associate (Certified User) - Revit Architecture Autodesk Associate (Certified User) - AutoCAD 	<ul style="list-style-type: none"> Google Sketchup Certificate 	<ul style="list-style-type: none"> Electude Occupational Health and Safety Admin (OSHA) General (Automotive) - 10 Hour Entry-Level Automotive Service Excellence (ASE) - Maintenance and Light Repair, and other specialized certification

Business and Industry Endorsement

A student may earn a Business and Industry endorsement by completing the required credits from at least one Area of Concentration or CTE Program of Study listed below.

**Course has a required prerequisite*

Business Management <i>CTE Program of Study</i>	Carpentry: Construction <i>(CPHS and GHS)</i> <i>CTE Program of Study</i>	Culinary Arts <i>(CPHS and GHS)</i> <i>CTE Program of Study</i>	Digital Communications: Audio/Video Production <i>CTE Program of Study</i>
4 Credits Required	4 Credits Required	4 Credits Required	4 Credits Required
Required Course: <ul style="list-style-type: none"> ● Business Management (1) Choose additional credits from the following: <ul style="list-style-type: none"> ● Principles of Business, Marketing, & Finance (1) ● Business Information Management I (1) ● Business Law (1) ● Entrepreneurship I (1) ● *Practicum in Business Management (2) ● Career Preparation for Programs of Study (3) 	Required Course: <ul style="list-style-type: none"> ● *Construction Technology II (2) Choose additional credits from the following: <ul style="list-style-type: none"> ● Principles of Construction (1) ● Construction Technology I (2) ● *Practicum in Construction Technology (2) ● Principles of Architecture and Interior Design (1) ● Career Preparation for Programs of Study (3) ● Entrepreneurship I (1) 	Required Course: <ul style="list-style-type: none"> ● *Advanced Culinary Arts (2) Choose additional credits from the following: <ul style="list-style-type: none"> ● Introduction to Culinary Arts (1) ● *Culinary Arts (2) ● *Practicum in Culinary Arts (2) ● Entrepreneurship I (1) ● Career Preparation for Programs of Study (3) 	Required Course: <ul style="list-style-type: none"> ● *Audio/Video Production II/Lab (2) Choose additional credits from the following: <ul style="list-style-type: none"> ● Principles of Arts, A/V and Communication (1) ● Audio/Video Production I (1) ● *Practicum in Audio/Video Production I (2) ● *Practicum in Audio/Video Production II (2) ● Career Preparation for Programs of Study (3) ● Entrepreneurship I (1)
Industry-Based Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.			
<ul style="list-style-type: none"> ● Microsoft Office Specialist - Word, Excel, PowerPoint & Access ● Microsoft Office Expert – Word & Excel ● Microsoft Office Specialist - Associate 	<ul style="list-style-type: none"> ● Occupational Health and Safety Admin (OSHA) Construction - 10 & 30 Hour ● National Center for Construction Education (NCCER) - Core, Carpentry I & II 	<ul style="list-style-type: none"> ● ServSafe Food Handlers ● ServSafe Manager 	<ul style="list-style-type: none"> ● Adobe Certified Professional – Premiere Pro Professional

Business and Industry Endorsement

A student may earn a Business and Industry endorsement by completing the required credits from at least one Area of Concentration or CTE Program of Study listed below.
**Course has a required prerequisite*

Electrical (LHS) <i>CTE Program of Study</i>	English Elective <i>Area of Concentration</i>	Entrepreneurship <i>CTE Program of Study</i>
4 Credits Required	4 Credits Required	4 Credits Required
<p>Required Course:</p> <ul style="list-style-type: none"> *Electrical Technology II (2) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> Electrical Technology I (1) *Practicum in Construction Technology I: Electrical (2) *Practicum in Construction Technology II: Electrical (2) Principles of Construction (CPHS & GHS) (1) Principles of Architecture and Interior Design (1) Career Preparation for Programs of Study (3) Entrepreneurship I (1) <p><i>Note: Students who complete the Electrical Program of Study requirements are eligible to earn a STEM endorsement by also completing Algebra II, Chemistry and Physics.</i></p>	<p>Choose 3 credits of the same disciplines in one of the following areas:</p> <ul style="list-style-type: none"> Advanced Journalism: News Media I - III (1) Advanced Journalism: Yearbook I - III (1) Debate I - III (1) <p>Choose additional credit from the following:</p> <ul style="list-style-type: none"> Journalism (1) Independent Study in Speech (1) Independent Study in Journalism (1) English IV (1) AP English Literature and Composition (1) IB Language Studies (1) 	<p>Required Courses: Choose at least one course from the following:</p> <ul style="list-style-type: none"> *Entrepreneurship II (1) *Practicum in Entrepreneurship (2) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> Principles of Business, Marketing and Finance (1) Business Information Management I (1) Entrepreneurship I (1) Mobile App Development (1) Career Preparation for Programs of Study (3) *CTE Project-Based Capstone (1)
<p style="text-align: center;">Industry-Based Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.</p>		
<ul style="list-style-type: none"> Occupational Health and Safety Admin (OSHA) Construction - 10 & 30 Hour National Center for Construction Education (NCCER) - Core, Electrical I, II & III 		<ul style="list-style-type: none"> Entrepreneurship and Small Business (ESB)

Business and Industry Endorsement

A student may earn a Business and Industry endorsement by completing the required credits from at least one Area of Concentration or CTE Program of Study listed below.
**Course has a required prerequisite*

Graphic Design and Interactive Media: Animation <i>CTE Program of Study</i>	Graphic Design and Interactive Media: Fashion Design <i>CTE Program of Study</i>	Graphic Design and Interactive Media: Graphic Design and Illustration <i>CTE Program of Study</i>
4 Credits Required	4 Credits Required	4 Credits Required
Required Course: <ul style="list-style-type: none"> *Animation II/Lab (2) Choose additional credits from the following: <ul style="list-style-type: none"> Principles of Arts, A/V and Communications (1) Animation I (1) *Practicum in Animation (2) Graphic Design and Illustration I (1) Fashion Design I (1) Entrepreneurship I (1) Career Preparation for Programs of Study (3) *Independent Study in Technology Applications (1) 	Required Course: <ul style="list-style-type: none"> *Fashion Design II (2) Choose additional credits from the following: <ul style="list-style-type: none"> Principles of Arts, A/V and Communications (1) Fashion Design I (1) *Practicum in Fashion Design Animation I (1) Entrepreneurship I (1) *Independent Study in Technology Applications (1) Graphic Design and Illustration I (1) Career Preparation for Programs of Study (3) 	Required Course: <ul style="list-style-type: none"> *Graphic Design and Illustration II/Lab (2) Choose additional credits from the following: <ul style="list-style-type: none"> Principles of Arts, A/V and Communications (1) Graphic Design and Illustration I (1) *Practicum in Graphic Design and Illustration (2) Fashion Design I (1) Animation I (1) Entrepreneurship I (1) Career Preparation for Programs of Study (3) *Independent Study in Technology Applications (1)
Industry-Based Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.		
<ul style="list-style-type: none"> Adobe Certified Professional in Visual Effects and Motion Graphics Using Adobe After Effects Autodesk Associate (Certified User) – 3ds MAX 	<ul style="list-style-type: none"> Adobe Certified Professional in Graphic Design and Illustration Using Adobe Photoshop 	<ul style="list-style-type: none"> Adobe Certified Professional in Visual Design Using Adobe Photoshop Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator

Business and Industry Endorsement

A student may earn a Business and Industry endorsement by completing the required credits from at least one Area of Concentration or CTE Program of Study listed below.

**Course has a required prerequisite*

Lodging and Resort Management (RHS) <i>CTE Program of Study</i>	Marketing and Sales <i>CTE Program of Study</i>	Plant Science: Floral Design <i>CTE Program of Study</i>	Real Estate <i>CTE Program of Study</i>
4 Credits Required	4 Credits Required	4 Credits Required	4 Credits Required
<p>Required Course:</p> <ul style="list-style-type: none"> • *Hospitality Services (2) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> • Principles of Business, Marketing and Finance (1) • Travel and Tourism Management (1) • *Practicum in Hospitality Services (2) • Business Management (1) • Entrepreneurship I (1) • Career Preparation for Programs of Study (3) 	<p>Required Course:</p> <ul style="list-style-type: none"> • Advertising and Social Media Marketing (1) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> • Principles of Business, Marketing and Finance (1) • Marketing (1) • Entrepreneurship I (1) • *Practicum in Marketing (2) • Career Preparation for Programs of Study (3) 	<p>Required Courses:</p> <ul style="list-style-type: none"> • Floral Design (1) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> • Principles of Agriculture, Food and Natural Resources (1) • *Advanced Floral Design (1) • *Practicum in Agriculture, Food and Natural Resources: Floral Design (3) • Entrepreneurship I (1) • Career Preparation for Programs of Study (3) • *CTE Project-Based Capstone (1) <p><i>Note: Students who complete the Plant Science Program of Study requirements are eligible to earn a STEM endorsement by also completing Algebra II, Chemistry and Physics.</i></p>	<p>Required Courses:</p> <ul style="list-style-type: none"> • *Practicum in Business Management: Real Estate (2) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> • Principles of Business, Marketing and Finance (1) • Marketing (1) • Entrepreneurship I (1) • Business Law (1) • Interior Design I (1) • Career Preparation for Programs of Study (3)
<p style="text-align: center;">Industry-Based Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.</p>			
<ul style="list-style-type: none"> • ServSafe Food Handlers • ServSafe Manager • Hospitality and Tourism Management Professional, Certified (American Hotel and Lodging Association Educational Institute) 	<ul style="list-style-type: none"> • Student Social Media Marketing Certification 	<ul style="list-style-type: none"> • Texas State Floral Association (TX State Florist Association) – Floral Skills Knowledge Based, Certification Level I & II 	<ul style="list-style-type: none"> • Real Estate Sales Agent License

Public Service

Public Service Endorsement

A student may earn a Public Service endorsement by completing the required credits from at least one Area of Concentration or CTE Program of Study listed below.

**Course has a required prerequisite*

Cosmetology & Personal Care Services (LHS) <i>CTE Program of Study</i>	Diagnostic and Therapeutic Services: Healthcare (CPHS and LHS) <i>CTE Program of Study</i>	Exercise Science, Wellness and Restoration (LHS) <i>CTE Program of Study</i>
4 Credits Required	4 Credits Required	4 Credits Required
<p>Required Courses:</p> <ul style="list-style-type: none"> • Introduction to Cosmetology (1) • Cosmetology I (2) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> • *Cosmetology II (3) • Career Preparation for Programs of Study (3) • Entrepreneurship I (1) 	<p>Required Course:</p> <ul style="list-style-type: none"> • Health Science Theory (1) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> • Principles of Health Science (1) • *Practicum in Health Science: Medical Assistant (2) • *Practicum in Health Science: Pharmacy Technician (2) • Medical Terminology (1) • Anatomy and Physiology (1) • Medical Microbiology (1) • Career Preparation for Programs of Study (3) <p><i>Note: Students who complete the Diagnostic and Therapeutic Services Program of Study requirements are eligible to earn a STEM endorsement by also completing Algebra II, Chemistry and Physics.</i></p>	<p>Required Course:</p> <ul style="list-style-type: none"> • *Kinesiology II (1) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> • Lifetime, Nutrition, Wellness & Interpersonal Studies (1) • Kinesiology I (1) • Principles of Health Science (1) • Health Science Theory (1) • *Practicum in Entrepreneurship: Exercise Science (2) • Anatomy and Physiology (1) • Medical Terminology (I) • Career Preparation for Programs of Study (3) • *CTE Project-Based Capstone (1) • Entrepreneurship I (1) <p><i>Note: Students who complete the Exercise Science, Wellness and Restoration Program of Study requirements are eligible to earn a STEM endorsement by also completing Algebra II, Chemistry and Physics.</i></p>
Industry-Based Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.		
<ul style="list-style-type: none"> • Occupational Safety and Health Admin (OSHA) General (Cosmetology) - 10 Hour • Cosmetology, Operator License - Texas Department of Licensing and Regulation (TDLR) 	<ul style="list-style-type: none"> • Cardiopulmonary Resuscitation (CPR) • First Aid • Occupational Health and Safety Admin (OSHA) - General (Healthcare) - 10 Hour • Certified Clinical Medical Assistant • Certified Pharmacy Technician (CPhT) 	<ul style="list-style-type: none"> • Pre-Professional Assessment Certification - Nutrition, Food, & Wellness

Public Service Endorsement

A student may earn a Public Service endorsement by completing the required credits from at least one Area of Concentration or CTE Program of Study listed below.

**Course has a required prerequisite*

Family and Community Services <i>CTE Program of Study</i>	Family and Community Services: PALS <i>CTE Program of Study</i>	Health and Wellness <i>CTE Program of Study</i>
4 Credits Required	4 Credits Required	4 Credits Required
<p>Required Courses: Choose at least one course from the following:</p> <ul style="list-style-type: none"> • *Counseling and Mental Health (1) • *Family and Community Services (1) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> • Principles of Human Services (1) • Human Growth and Development (1) • *Practicum in Human Services: Family and Community Services (2) • Lifetime, Nutrition, Wellness & Interpersonal Studies (1) • Career Preparation for Program of Study (3) • *CTE Project-Based Capstone (1) • Entrepreneurship I (1) 	<p>Required Course:</p> <ul style="list-style-type: none"> • *Family and Community Services: PALS (1) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> • Principles of Human Services (1) • Human Growth and Development (1) • *Counseling and Mental Health (1) • *CTE Project-Based Capstone: PALS II (1) • Lifetime, Nutrition, Wellness & Interpersonal Studies (1) • Career Preparation for Program of Study (3) • Entrepreneurship I (1) 	<p>Required Course:</p> <ul style="list-style-type: none"> • *Applied Nutrition and Dietetics (1) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> • Principles of Human Services (1) • Lifetime Nutrition, Wellness & Interpersonal Studies (1) • *Practicum in Human Services: Health and Wellness (2) • Human Growth and Development (1) • *Family and Community Services (1) • *Counseling and Mental Health (1) • Career Preparation for Program of Study (3) • Entrepreneurship I (1)
<p style="text-align: center;">Industry-Based Certifications are embedded in Career and Technical Education Programs of Study.</p> <p style="text-align: center;">Available certifications are listed below.</p>		
		<ul style="list-style-type: none"> • ServSafe Food Handlers • Pre-Professional Assessment Certification - Nutrition, Food, & Wellness

Public Service Endorsement

A student may earn a Public Service endorsement by completing the required credits from at least one Area of Concentration or CTE Program of Study listed below.

**Course has a required prerequisite*

JROTC <i>Area of Concentration</i>		Law Enforcement <i>(GHS)</i> <i>CTE Program of Study</i>	Teaching and Training <i>CTE Program of Study</i>
4 Credits Required		4 Credits Required	4 Credits Required
Choose 4 credits from either Air Force JROTC (LHS) or Navy JROTC (VRHS):			
<ul style="list-style-type: none">● AFJROTC I (LHS)● *AFJROTC II (LHS)● *AFJROTC III (LHS)● *AFJROTC IV (LHS)	<ul style="list-style-type: none">● NJROTC I (VRHS)● *NJROTC II (VRHS)● *NJROTC III (VRHS)● *NJROTC IV (VRHS)	<p>Required Courses: Choose at least one course from the following:</p> <ul style="list-style-type: none">● *Law Enforcement II (1)● *Forensic Science (1) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none">● Principles Law, Public Safety, Corrections and Security (1)● Law Enforcement I (1)● *Criminal Investigations (1)● *Practicum in Law, Public Safety, Corrections and Security (2)● *Counseling and Mental Health (1)● Career Preparation for Programs of Study (3)	<p>Required Course:</p> <ul style="list-style-type: none">● *Instructional Practice (2) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none">● Principles of Education and Training (1)● Human Growth and Development (1)● Principles of Human Services (1)● *Practicum in Education and Training I (2)● *Practicum in Education and Training II (2)● Career Preparation for Programs of Study (3)● *CTE Project-Based Capstone (1)
Industry-Based Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.			
		<ul style="list-style-type: none">● IAED Emergency Telecommunicator	<ul style="list-style-type: none">● Pre-Professional Assessment Certification - Education Fundamentals● Educational Aide I

Science, Technology, Engineering and Math

Science, Technology, Engineering & Math Endorsement

A student may earn a STEM endorsement by completing Algebra II, Chemistry and Physics in addition to the required credits from at least one Area of Concentration or CTE Program of Study listed below.

**Course has a required prerequisite*

Biomedical Science (PLTW) <i>CTE Program of Study</i>	Cybersecurity <i>CTE Program of Study</i>	Engineering Foundations (PLTW) <i>CTE Program of Study</i>
7 Credits Required	7 Credits Required	7 Credits Required
<p>Required Courses:</p> <ul style="list-style-type: none"> Algebra II (1) Chemistry (1) Physics (1) Medical Interventions (1) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> Principles of Biomedical Science (1) *Human Body Systems (1) *Scientific Research and Design: Biomedical Science (1) *Practicum in STEM: Biomedical Science (2) Career Preparation for Programs of Study (3) Anatomy and Physiology (1) Medical Microbiology (1) Principles of Health Science (1) Medical Terminology (1) *CTE Project-Based Capstone (1) <p><i>Note: Students who do not complete Algebra II, Chemistry and Physics, but earn four credits in the Biomedical Science Program of Study, are eligible to earn a Public Service endorsement.</i></p>	<p>Required Courses:</p> <ul style="list-style-type: none"> Algebra II (1) Chemistry (1) Physics (1) Cybersecurity Capstone (1) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> Fundamentals of Computer Science (1) Computer Science Principles AP (1) *Foundations of Cybersecurity (1) *Computer Science I Advanced (1) *Computer Science A AP (1) IB Computer Science SL (1) IB Computer Science HL (2) *Independent Study in Technology Applications (1) *Practicum in Information Technology: Cybersecurity (2) *CTE Project-Based Capstone (1) Career Preparation for Programs of Study (3) <p><i>Note: Students who do not complete Algebra II, Chemistry and Physics, but earn four credits in the Cybersecurity Program of Study, are eligible to earn a Business and Industry Endorsement.</i></p>	<p>Required Courses:</p> <ul style="list-style-type: none"> Algebra II (1) Chemistry (1) Physics (1) <p>Choose at least 1 additional credit from the following:</p> <ul style="list-style-type: none"> *Aerospace Engineering (1) *Digital Electronics (1) *Engineering Science (1) *Computer Integrated Manufacturing (1) <p>Choose additional credit, if needed, from the following:</p> <ul style="list-style-type: none"> Principles of Applied Engineering (1) Introduction to Engineering Design (1) *Practicum in STEM: Engineering (2) Career Preparation for Programs of Study (3) *CTE Project-Based Capstone (1) *Scientific Research and Design (1) <p><i>Note: Students who do not complete Algebra II, Chemistry and Physics, but earn four credits in the Engineering Foundations Program of Study, are eligible to earn a Business and Industry Endorsement.</i></p>
Industry-Based Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.		
<ul style="list-style-type: none"> Biotechnician Assistant Credentialing Exam (BACE) 	<ul style="list-style-type: none"> CompTia Security+ 	<ul style="list-style-type: none"> Autodesk Associate (Certified User) Inventor for Mechanical Design

Science, Technology, Engineering & Math Endorsement

A student may earn a STEM endorsement by completing Algebra II, Chemistry and Physics in addition to the required credits from at least one Area of Concentration or CTE Program of Study listed below.

**Course has a required prerequisite*

Mathematics <i>Area of Concentration</i>	Programming and Software Development: App Development <i>CTE Program of Study</i>	Programming and Software Development: Computer Science Studies <i>CTE Program of Study</i>
7 Credits Required	7 Credits Required	7 Credits Required
<p>Required Courses:</p> <ul style="list-style-type: none"> Algebra I (1) Geometry (1) Algebra II (1) Chemistry (1) Physics (1) <p>Choose 2 additional credits from the following:</p> <ul style="list-style-type: none"> Algebraic Reasoning (1) Precalculus (1) Calculus AB AP (1) Calculus BC AP (1) Mathematics: Analysis and Approaches IB SL & HL Mathematics: Applications and Interpretations IB SL & HL Statistics AP (1) Statistics (1) Computer Science A AP (1) Computer Science IB HL Math Independent Study 	<p>Required Courses:</p> <ul style="list-style-type: none"> Algebra II (1) Chemistry (1) Physics (1) *Mobile Application Development: MobileMakersEdu (1) <p>Choose additional credit from the following:</p> <ul style="list-style-type: none"> Fundamentals of Computer Science (1) Computer Science Principles AP (1) Computer Science I Advanced (1) *Computer Science A AP (1) Computer Science IB HL (1) Computer Science IB SL (1) *Practicum in Information Technology: MobileMakersStudio (2) *Practicum in Information Technology: Mobile App Development (2) *Independent Study in Technology Applications (1) Career Preparation for Programs of Study (3) *CTE Project-Based Capstone (1) <p><i>Note: Students who do not complete Algebra II, Chemistry and Physics, but earn four credits in the Programming and Software Development Program of Study, are eligible to earn a Business and Industry Endorsement.</i></p>	<p>Required Courses:</p> <ul style="list-style-type: none"> Algebra II (1) Chemistry (1) Physics (1) *Computer Science A AP (1) <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> Fundamentals of Computer Science (1) Computer Science Principles AP (1) Computer Science I Advanced (1) *Computer Science III (1) Computer Science IB SL (1) Computer Science IB HL (2) *Practicum in Information Technology: Computer Science (2) *Mobile Application Development: MobileMakersEdu (1) *Practicum in Information Technology: MobileMakersStudio (2) Career Preparation for Programs of Study (3) *CTE Project-Based Capstone (1) *Independent Study in Technology Applications (1) Entrepreneurship I (1) <p><i>Note: Students who do not complete Algebra II, Chemistry and Physics, but earn four credits in the Programming and Software Development Program of Study, are eligible to earn a Business and Industry Endorsement.</i></p>
Industry-Based Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.		
	<ul style="list-style-type: none"> Apple App Development with Swift 	<ul style="list-style-type: none"> Information Technology Specialist: Java

Science, Technology, Engineering and Math Endorsement

A student may earn a STEM endorsement by completing Algebra II, Chemistry and Physics in addition to the required credits from at least one Area of Concentration or CTE Program of Study listed below.

**Course has a required prerequisite*

Science <i>Area of Concentration</i>	Math/Science Studies <i>Area of Concentration</i>	
6 Credits Required	6 Credits Required	
Required Courses: <ul style="list-style-type: none"> • Biology (1) • Chemistry (1) • Physics (1) • Algebra II (1) Choose 2 additional credits from the following: <ul style="list-style-type: none"> • Astronomy (1) • Biology AP or Biology IB SL & HL • Chemistry AP or Chemistry IB SL & HL • Physics AP or Physics IB SL & HL • Anatomy and Physiology (1) • Medical Microbiology (1) • Earth Systems Science (1) • Environmental Science AP (1) • Environmental Systems (1) • Integrated Physics and Chemistry (1) • Scientific Research and Design (1) • Advanced Animal Science (1) • Engineering Science (1) • Specialized Topics in Science (1) 	Required Courses: <ul style="list-style-type: none"> • Algebra II (1) • Chemistry (1) • Physics (1) 	
	Choose at least 1 additional math credit and 1 additional science credit from the list below:	
	Advanced Math <ul style="list-style-type: none"> • Advanced Quantitative Reasoning (1) • Algebraic Reasoning (1) • Precalculus (1) • Precalculus AP (1) • Calculus AB AP (1) • Calculus BC AP (1) • Mathematics: Analysis and Approaches IB SL & HL • Mathematics: Applications and Interpretations IB SL & HL • Statistics AP(1) • Statistics (1) • Computer Science A AP (1) • Computer Science IB HL • Math Independent Study 	Advanced Science <ul style="list-style-type: none"> • Astronomy (1) • Biology AP or Biology IB SL & HL • Chemistry AP or Chemistry IB SL & HL • Physics AP or Physics IB SL & HL • Anatomy and Physiology (1) • Medical Microbiology (1) • Earth Systems Science (1) • Environmental Science AP (1) • Environmental Systems (1) • Scientific Research and Design (1) • Advanced Animal Science (1) • Engineering Science (1) • Specialized Topics in Science (1)

Multidisciplinary

Multidisciplinary Endorsement

A student may earn a Multidisciplinary endorsement by completing the required credits from at least one Area of Concentration listed below.

**Course has a required prerequisite*

Multidisciplinary

Area of Concentration

16 Credits Required (Option 1)

16 credits - Four credits in each of the foundation areas to include English IV, Chemistry and/or Physics

<p>Required Courses: 4 credits of English</p> <ul style="list-style-type: none"> English I English II English III or English III AP/IB English IV or English IV AP/IB 	<p>Required Courses: 4 credits of Math</p> <ul style="list-style-type: none"> Algebra I Geometry <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> Algebra II Algebraic Reasoning Calculus AB AP Calculus BC AP College Preparatory Math Computer Science A AP (Technology Applications) Digital Electronics (CTE - 3rd credit only) Independent Study in Mathematics Math Models (3rd credit only) Mathematics: Analysis and Approaches IB SL & HL Mathematics: Applications and interpretations IB SL & HL Precalculus Statistics AP Statistics 	<p>Required Courses: 4 credits of Science</p> <ul style="list-style-type: none"> Biology Chemistry OR Physics <p>Choose additional credits from the following:</p> <ul style="list-style-type: none"> Astronomy Biology AP or Biology IB SL & HL Chemistry AP or Chemistry IB SL & HL Physics AP or Physics IB SL & HL Anatomy and Physiology Medical Microbiology Earth Systems Science Environmental Science AP Environmental Systems Integrated Physics and Chemistry Scientific Research and Design Advanced Animal Science Engineering Science Medical Microbiology Chemistry Physics Specialized Topics in Science 	<p>Required Courses: 4 credits of Social Studies</p> <ul style="list-style-type: none"> World Geography/ Human Geography AP AND/OR World History/ World History AP US History or US History AP or History of Americas HL1 & HL2 Government or Government AP Economics or Macroeconomics AP <p>Choose additional credit if needed from the following:</p> <ul style="list-style-type: none"> Mexican American Studies African American Studies European History AP Investigations in Psychology/ Psychology AP Psychology, IB SL & HL Influence of the Old/New Testament World Geography/ Human Geography AP World History/World History AP Microeconomics AP Sociology Psychology Personal Financial Literacy Special Topics in Social Studies
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Multidisciplinary Endorsement

A student may earn a Multidisciplinary endorsement by completing the required credits from at least one Area of Concentration listed below.

**Course has a required prerequisite*

Multidisciplinary

Area of Concentration

4 Credits Required (Option 2)

Choose at least 4 credits of Advanced Placement, International Baccalaureate or Dual Credit selected from English, mathematics, science, social studies, economics, LOTE and fine arts.

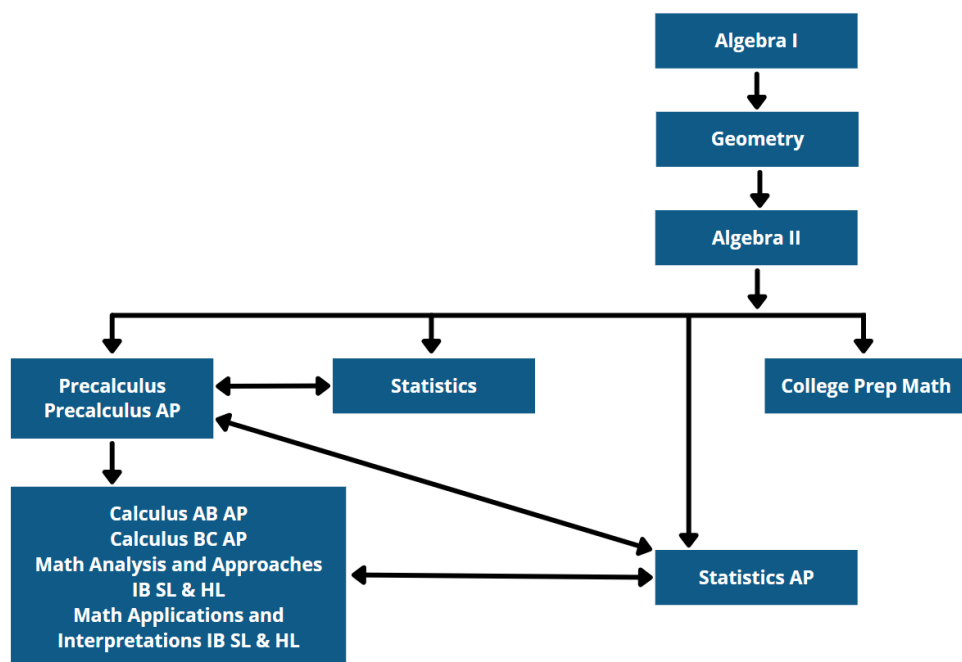
Required Courses: 4 credits of Advanced Placement, International Baccalaureate or Dual Credit

- English III AP/IB/DC
- English IV AP/IB/DC
- Human Geography AP
- World History AP
- US History AP or DC
- IB History of Americas HL1 & HL2
- Government AP or DC
- Macroeconomics AP or DC
- Microeconomics AP
- European History AP
- Investigations in Psychology/Psychology AP
- Psychology IB SL & HL
- Biology AP or Biology SL & HL
- Chemistry AP or Chemistry IB SL & HL
- Physics AP or Physics IB SL & HL
- Environmental Science AP
- Calculus AB AP
- Calculus BC AP
- Mathematics: Analysis and Approaches IB SL & HL
- Mathematics: Applications and Interpretations IB SL & HL
- Statistics AP
- Art – Drawing Portfolio AP
- Art – Two-Dimensional Design AP
- Art - Three-Dimensional Design AP
- Art - Art History AP
- Dance IB SL
- Dance IB HL
- Theatre Arts IB SL & HL
- Music IB SL & HL
- Music Theory AP
- Chinese IV AP
- French IV AP/IB
- Spanish IV AP/IB
- Spanish V AP/IB

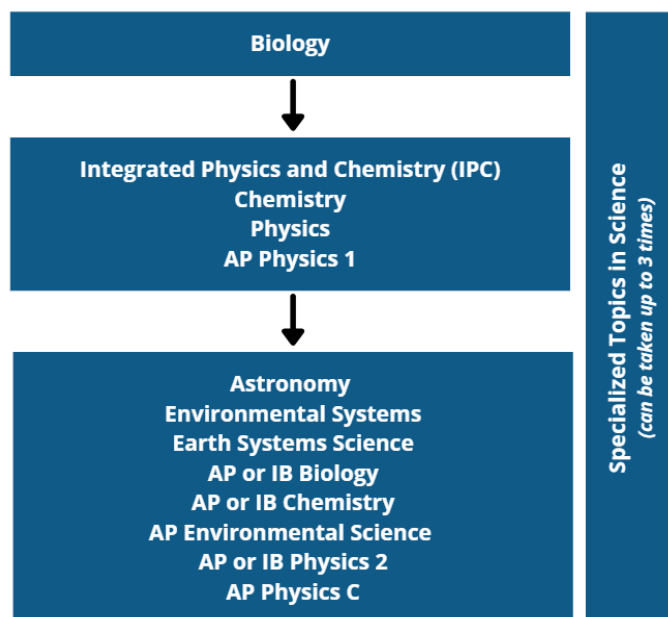
MATH AND SCIENCE COURSE SEQUENCE

Algebraic Reasoning, Math Models and College Prep Mathematics are state approved mathematics courses. These courses require a school counselor conference for placement. In addition, The State Board of Education (SBOE) has approved courses to substitute for math credits. Leander ISD offers the following approved math substitution courses: Computer Science A AP (CTE), Computer Science IB HL (CTE), Digital Electronics (CTE) and Accounting II (CTE). Please see your school counselor for additional information concerning substitution options/requirements.

High School Math Course Sequence



High School Science Course Sequence



Mathematics Course Credit Options

Third Mathematics Course Credit:

- Accounting II (CTE)
- Advanced Quantitative Reasoning
- Algebra II
- Algebraic Reasoning
- Calculus AB AP
- Calculus BC AP
- Computer Science A AP (CTE)
- Computer Science IB HL (CTE)
- Digital Electronics (CTE)
- Independent Study in Mathematics
- Mathematical Models
- Mathematics: Analysis and Approaches IB SL and HL
- Mathematics: Applications and Interpretations IB SL & HL
- Precalculus
- Precalculus AP
- Statistics
- Statistics AP

Fourth Mathematics Course Credit:

- Advanced Quantitative Reasoning
- Algebra II
- Algebraic Reasoning
- Calculus AB AP
- Calculus BC AP
- College Prep Mathematics
- Computer Science A AP (CTE)
- Computer Science IB HL (CTE)
- Independent Study in Mathematics
- Mathematics: Analysis and Approaches IB SL & HL
- Mathematics: Applications and Interpretations IB SL & HL
- Precalculus
- Precalculus AP
- Statistics
- Statistics AP

The State Board of Education (SBOE) has approved courses to substitute for science credits. Leander ISD offers the following approved science substitution courses: Advanced Animal Science (CTE), Engineering Science (CTE), Anatomy and Physiology (CTE), Medical Microbiology (CTE), Forensic Science (CTE) and Scientific Research and Development (CTE).

Please see your school counselor for additional information concerning substitution options/requirements.

HIGH SCHOOL GRADUATION REQUIREMENTS

High School Graduation Plans

Leander ISD has graduation plans to serve the post-secondary needs of all students. As students create four-year plans of study, they should carefully select courses to provide for multiple education or career related options after high school. Students planning on attending an institution of higher education after graduation should investigate post-secondary entrance requirements prior to selecting their courses and graduation plan. It is important for students to create a rigorous four-year plan while maintaining a healthy balance of extra-curricular and/or part-time work opportunities. Choosing courses that meet your educational needs or interests is the best way to prepare for your future. In addition, students in Leander ISD are strongly encouraged to complete a Program of Study.

A 22-credit Foundation High School Plan without an endorsement can be considered at the beginning of the junior year. However, this requires a meeting with the school counselor, parent/guardian and student to discuss post-secondary implications. Campus principal approval is required.

Required State Assessments for Graduation

State of Texas Assessments of Academic Readiness (STAAR) End of Course Requirements for Graduation

As required by Texas Education Code, TEC §101.3022. Assessment Requirements for Graduation, students will take the State of Texas Assessment of Academic Readiness (STAAR) End of Course (EOC) exams as near to completion of the following courses to meet graduation requirements for the state of Texas: English I, English II, Algebra I, Biology and U.S. History. Students are not eligible to take the aligned STAAR EOC assessment in the aforementioned courses if they have completed only half (one semester) of the course. In order to graduate, a student must meet or exceed satisfactory performance on each STAAR end-of- course (EOC) assessment. The performance standard needed to meet the testing requirement for graduation is based on the performance standard in place when students take their first EOC test and will apply to all five EOC assessments. STAAR EOC retest opportunities will be available for students who did not meet the passing standard on one or more of the exams. Retest opportunities will be offered during the summer, fall and spring of each year.

Qualifying scores on specific college readiness exams including AP, IB, PSAT/NMSQT®, ACT Aspire™, SAT® or ACT® scores may be substituted for a STAAR End of Course exam to meet graduation requirements and receive a diploma in Texas, but only if the student has attempted the STAAR EOC at least one time and has not met the passing requirement. Students may check with their school counselor to see if they are eligible for a substitution. Additional information can also be found by accessing the following TX Education Agency [link](#).

For students receiving Special Education services and have not met the passing standard on one or more of the STAAR EOC exams, the ARD committee will determine whether the student shall continue to retest to meet the passing standard on the applicable EOC. Students must attempt each STAAR EOC at least one time before the ARD committee may discuss retest options.

According to Senate Bill 149, passed in April 2015, a student who has taken, but failed to achieve the EOC assessment graduation requirements for no more than two courses, may graduate if granted a recommendation from the campus Individual Graduation Committee (IGC). In order to be eligible for IGC consideration, the student should continue to retest at every eligible opportunity.*

**Please note that Emergent Bilingual students within their first three years in U.S. Schools, who exercise the English I Special Provision, must include that assessment as one of the two assessments not meeting passing standard for IGC consideration.*

Early Graduation

A Leander ISD student may choose to graduate from high school in fewer than four years. To pursue early graduation, a student must make a written request. Early graduation requirements include parent and principal approval and a meeting with the student's school counselor to file a written early graduation plan. Students requesting to graduate early are encouraged to complete the Foundation with Endorsement Plan or higher or graduate under the Texas First Diploma option. All course work must be completed before a student can participate in graduation ceremonies. Specific details about the process to request early graduation are available from your school counselor. Students pursuing the Texas First Diploma must also notify their school counselor as soon as possible in order to meet the specific graduation requirements under this diploma plan. Board policy EIC (Local) states that students who graduate early shall be ranked with their initial high school cohort class.

GENERAL INFORMATION

Grade Level Classifications

Grade level classification is based on the number of credits completed. Credits earned through summer school, credit-by-exam, competency-based, or correspondence should be on file in the registrar's office before the first day of school for classification purposes. A correspondence course is not considered completed until the final grade is recorded in the registrar's office. Please consult the campus principal for further clarification regarding extracurricular eligibility requirements.

Freshman: Must have been promoted from the 8th grade

Sophomore: Must have satisfactorily completed 5 credits

Junior: Must have satisfactorily completed 11 credits

Senior: Must have satisfactorily completed 18 credits

Schedule Changes

It is very important that students and parents select courses based on the student's graduation and post-secondary plans. The choices students make during the course selection process determine the master schedule teacher assignments for each campus. Though never perfect, the campus master schedule is designed to maximize student opportunities and minimize scheduling conflicts. Master schedule changes may be affected by insufficient course enrollment or instructor availability.

Students should pay particular attention to the alternate electives they select during the course selection process. To avoid schedule conflicts, a student may be placed in one or more of his or her alternate selections.

In order to schedule efficiently, student schedules will not be changed to select different teachers, lunch periods, or any different elective or alternate elective. Teacher change requests will only be considered if a student previously failed a course with the same teacher and if another teacher is available. Schedule correction requests do not require a parent signature.

Schedule corrections will be considered as soon as possible and only for the following reasons:

- The student is a senior and does not have a course required for graduation.
- The student does not have the prerequisites for a course.
- Course credit was previously received (*i.e. - through summer school, correspondence courses, Examination for Acceleration, etc.*)
- A data entry error made by the school (*i.e.- two first-period classes, or a schedule that does not contain the full number of classes.*)
- Student has been dismissed from a program where approval must be granted for placement.

Course Request Changes: Any requests to change a course for reasons other than those listed above will only be considered for compelling educational circumstance and will require a parent approval. **Course request changes must be made by May 1st of the previous school year.** If the course request change is made through email or an online platform, a parent and student email address will be required. Elective changes will not be considered after the published deadline.

Course Level Changes: Course level changes may be requested by the published deadline. After the start of school, course level changes for advanced courses with a corresponding on-level class will be considered only at the end of the first progress reporting period. In order to be considered for a transfer from an Advanced, AP® or IB course, the student must have made a sincere effort to succeed by attending tutorials, completing his or her work, and by conferencing with the teacher. The parent must conference with the teacher before a course level change will be considered.

High School Courses Taken in Middle School

Leander ISD offers some courses designated for high school credit in middle school. Students who take these courses must show satisfactory completion of the prerequisite Texas Essential Knowledge and Skills as well as state and district requirements for the high school course taken. Satisfactory completion of high school courses in middle school shall be reflected on the student's academic achievement record, and the student will be awarded state graduation credit. Grades earned in high school courses taken in middle school will not be included in the student's high school Grade Point Average (GPA).

Summer School

During summer school, students can take courses to recover or earn original credits. The courses offered depend on the number of students who enroll. The district sets the tuition fee for each summer course, and students are required to pay this fee. For more details, students can reach out to their school counselor. Additionally, information regarding summer school courses will be accessible on the district website starting in April, before the June start date.

Physical Education Substitutes

Physical Education substitution credit may be awarded for successful completion of certain courses. Students may earn Physical Education substitution credits through participation in:

- Drill Team (one credit maximum)
- Dance I (one credit maximum)
- Color Guard (one credit maximum)
- Cheerleading (four credits maximum)
- Marching Band (one credit maximum)
- Athletics (four credits maximum)
- JROTC (one credit maximum)
- Show Choir (one credit maximum)
- Private/ Commercially sponsored activities (four credits maximum)

Credits may not be earned for a PE course more than once and no more than four substitutions may be earned through any combination of allowable substitutions. In order for a student to earn credit for one of these activities, the activity must include at least 100 minutes per five-day school week of moderate to vigorous physical activity. Upon completion of one semester's participation in one of these activities, the student is awarded a PE substitution credit.

Off Campus PE: In accordance with local district policy, a school district may award up to four credits for physical education for appropriate private or commercially sponsored physical activity programs conducted on or off campus. The district must apply to the commissioner of education for approval of such programs, which may be substituted for state graduation credit in physical education. Such approval may be granted under the following conditions:

Category (1) Olympic-level participation and/or competition including a minimum of 15 hours per week of highly intensive, professional, supervised training. The training facility, instructors, and the activities involved in the program must be certified by the superintendent to be of exceptional quality. Students qualifying and participating at this level may be dismissed from school one hour per day. Students dismissed may not miss any class other than physical education.

Category (2) Private or commercially sponsored physical activities including those certified by the superintendent to be of high quality and well supervised by appropriately trained instructors. Student participation of at least 5 hours per week must be required. Students certified to participate at this level may not be dismissed from any part of the regular school day.

Application deadline is the last day of the school year and is posted on the OCPE information section of the [Health and PE](#) page of the Leander ISD website.

Language Other Than English (LOTE) Substitutes

The Foundation High School Program (FHSP) requires students to have two credits of a language other than English (LOTE). The credits may be selected from the following:

- two levels in the same language other than English.
- two credits in computer programming languages.

Students selecting the computer programming option should review admissions requirements for the colleges/universities they are considering. Most institutions of higher education in Texas require/prefer LOTE courses over computer programming. Computer Science substitutions will not satisfy the LOTE requirement of the local Leander ISD Distinguished with Honors graduation plan.

If a student, in completing the first credit of LOTE, demonstrates that the student is unlikely to be able to complete the second credit, the student may substitute another appropriate course. The determination regarding a student's ability to complete the second credit of LOTE must be agreed to by:

- the teacher of the first LOTE credit course or another LOTE teacher designated by the school district, the principal or designee, and the student's parent/guardian;
- the student's admission, review, and dismissal (ARD) committee if the student receives special education services; or
- the committee established for the student under Section 504, Rehabilitation Act of 1973.

If a substitution is granted, it will ONLY satisfy the credit required for the LOTE Level II course and may not satisfy any other graduation requirement. In addition, it may not fulfill the requirement for admission to the college/university for which the student is applying. Please see your assigned high school counselor for more information regarding approved LOTE substitutions.

A student, who due to a disability, is unable to complete two credits in the same language in LOTE, may substitute a combination of two credits from:

- English Language Arts,
- Mathematics,
- Science,
- Social Studies,

Or two credits in

- Career and Technical Education,
- Technology Applications.

The determination regarding a student's disability to complete the LOTE credit requirements will be made by:

- The student's ARD committee if the student receives special education services, or
- The committee established for the student under Section 504 of the Rehabilitation Act of 1973.

Correspondence, Distance & Virtual Courses

Students may choose to take correspondence, distance and virtual courses outside the school day at their own expense. Credit toward state graduation requirements shall be granted under the following conditions:

- The institution offering the course is The University of Texas (UT), Texas Tech University, Texas Virtual School Network (TxVSN), or other public institution of higher education approved by the Commissioner of Education.
- The course includes the state-required Texas Essential Knowledge and Skills for such a course.
- Leander ISD will consider granting credit for courses taken through entities not named above if the institution is accredited by one of the following accrediting organizations:
 - Southern Association of Colleges and Schools
 - Middle States Association of Colleges and Schools
 - New England Association of Colleges and Schools
 - North Central Association of Colleges and Schools
 - Western Association of Colleges and Schools
 - Northwest Association of Colleges and Schools
 - Cognia
 - Texas Private School Accreditation Commission
 - International Association of Learner Driven Schools

If the intent of a correspondence, distance or virtual course is to earn credit towards graduation, students are encouraged to speak with their school counselor prior to enrolling. Leander ISD recommends that any correspondence, distance, or virtual courses required for graduation are completed by the end of the fall semester of a student's senior year. All correspondence, distance or virtual courses required for graduation must be completed, and the final grade recorded, at least 30 days prior to graduation in order to participate in graduation ceremonies.

Grades earned through courses completed via TxVSN and Proximity Learning will be calculated in grade point average (GPA). All other grades earned through correspondence, distance and virtual courses are not included in the calculation of GPA and rank.

Student athletes who are considering correspondence, distance or virtual courses must check with the NCAA to inquire if a course of this type is acceptable as part of the NCAA core curriculum requirements. Please visit the NCAA website <https://web3.ncaa.org/ecwr3/> for additional information.

A correspondence, distance, or virtual course is not considered completed until the final grade is recorded in the campus registrar's office.

Credit by Examination

Credit by Examination with Prior Instruction

A student who has had sufficient prior formal instruction as determined by the district on the basis of a review of the student's educational records or who has failed a course may gain credit for the course by passing a proficiency examination on the Texas Essential Knowledge and Skills of the course. Students must score 70% or better on the test, although it is not used to determine grade point average (GPA). A student may not use this examination to regain eligibility to participate in extracurricular activities. Students assume the cost of the examination.

Credit by Examination for Acceleration

Examination for Acceleration (EA) allows students who, without prior instruction, have already mastered content and skills in a particular course, to receive credit for a course and advance to the next level. Students take a designated criterion-referenced exam which covers the Texas Essential Knowledge and Skills and major learning for the course for which they wish credit. Leander ISD currently utilizes exams provided by The University of Texas UT High School.

Exam for Acceleration registration is available through the school counselor. Per TEA, the district provides four EA testing windows during the year. Specific testing windows and registration deadlines for EA are posted on District and Campus websites. Parents and students may get additional information about EA from school counselors.

Students must score 80 percent or higher on the Exam for Acceleration to receive credit. For courses with two semester exams, the student must score 80 percent on both semester exams and not an average of 80 percent. EA grades are added to the transcript but will be excluded from the student's high school grade point average (GPA). The campus will notify parents and students upon receiving exam results. Upon receiving a passing score on an EA, students will be scheduled in the appropriate next level at the beginning of the following school year.

Home School/Non-Accredited Schools

When a student graduates from Leander ISD, the diploma must signify certain curricular attainment as outlined by the State of Texas and Board of Trustees. Students from schools outside the United States, unaccredited private schools, or home school settings who enroll in Leander ISD high schools will have their educational records reviewed by a school counselor. The intent of the review process is to help the student make a smooth transition into Leander ISD by acknowledging prior learning in an educational environment and still maintaining the integrity of Leander ISD standards as guided by TEA. Upon receipt of all related documentation, within 30 days of enrollment, Leander ISD will have the student appropriately placed in classes with a plan for establishing credit toward graduation. Credit toward state graduation requirements earned in an accredited public-school district shall be transferable and recognized by the District. Accredited shall be defined as accreditation by TEA, an equivalent agency from another state, or one of the regional accrediting associations listed below:

- Southern Association of Colleges and Schools
- Middle States Association of Colleges and Schools
- New England Association of Colleges and Schools
- North Central Association of Colleges and Schools
- Western Association of Colleges and Schools
- Northwest Association of Colleges and Schools

Before recognizing credit in a course earned in an accredited nonpublic school, an accredited school outside of Texas, or a nonaccredited school, appropriate personnel shall evaluate a student's records and transcript. The District may require the student to demonstrate mastery of the content or use alternative methods to verify course content for the award of credit.

Section 504 Services

Section 504 of the Rehabilitation Act and the Americans with Disabilities Act (ADA) prohibits discrimination and assures that disabled students have educational opportunities and benefits equal to those provided to non-disabled students. Section 504 covers qualified students with disabilities who attend schools receiving Federal financial assistance. To be protected under Section 504, a student must be determined to: (1) have a physical or mental impairment that substantially limits one or more major life activities; or (2) have a record of such an impairment; or (3) be regarded as having such an impairment. Section 504 requires that school districts provide a free appropriate public education (FAPE) to qualified students in their jurisdictions who have a physical or mental impairment that substantially limits one or more major life activities.

Emergent Bilingual Services

Each school district is required to offer an English as a Second Language (ESL) Program and shall provide each Emergent Bilingual (EB) the opportunity to be enrolled in the required program at his or her grade level. ESL programs include intensive instruction designed to develop proficiency in listening, speaking, reading, and writing in the English language. Instruction in ESL shall be commensurate with the student's level of English proficiency and his or her level of academic achievement. In high school, the ESL Program shall be consistent with graduation requirements under Chapter 74.

English for Speakers of Other Languages (ESOL) is designed to meet the needs of Emergent Bilinguals. EBs receive intensive instruction in English from certified ESL teachers trained in recognizing and addressing language differences. This program is an integral part of the total school program and is based on the Texas Essential Knowledge and Skills (TEKS) and English Language Proficiency Standards (ELPS) as required by the state.

Sheltered instruction occurs in general education content-specific classes offered to EBs for state credit in high school. A sheltered content class incorporates second language acquisition methods and support systems to communicate meaning in the content area. These sheltered classes are taught by teachers certified in a content area and trained in second language acquisition methodology. The sheltered classes cover all mandated TEKS; incorporate ELPS; and focus on adapting the instructional pacing and methods and accommodating materials for instruction.

Special Education Services

Each local school has the responsibility for providing educational and related services to eligible students in the least restrictive environment and ensuring students with disabilities have the opportunity to participate in educational programs and activities with students without disabilities to the extent appropriate. If a student has or is suspected of having a disability and requires specialized services, parents, teachers, administrators or any other district employee should contact a school counselor for information concerning the special education referral process.

The school district curriculum enables each student with disabilities to acquire knowledge and skills commensurate with the student's needs and abilities. These skills are developed with the support of special education accommodations, modification or instruction and related services, as determined by the admission, review, and dismissal (ARD) committee for any course to enable the student to access and make progress with the general curriculum. The ARD committee shall determine the appropriate instructional setting for each student, and these shall be specified in the student's Individualized Education Program (IEP).

SPECIAL EDUCATION GRADUATION ELIGIBILITY TO CONTINUE OR RETURN FOR TRANSITION SERVICES			
Standard of Performance	State Assessments	Eligibility to Continue or Return for Transition Services	Condition for dismissal from Special Education Services
Student satisfactorily completes credit requirements for graduation at the standard applicable to students in general education with accommodations only .	STAAR Satisfactory performance STAAR Student failed no more than 2 end-of-course assessments	Special Education Services shall terminate upon graduation.	Completion of Credit and Assessment Requirements
Student satisfactorily completes credit requirements for graduation at the standard applicable to students in general education with accommodations only .	STAAR Student failed 3 or more end-of-course assessments Satisfactory performance on the required end-of-course assessments, unless the student's ARD committee has determined that satisfactory performance is not necessary for graduation. STAAR Satisfactory performance on the required end-of-course assessments, unless the student's ARD committee has determined that satisfactory performance is not necessary for graduation.	Student is eligible to continue or return for Special Education Transition Services. Student is eligible to continue or return for Special Education Transition Services. Student must also successfully complete the student's individualized education program (IEP) and meet one of following conditions: A. have a full-time job and the skills needed to keep it; or B. demonstrate job skills and self-help skills for successful employment and adult living; or C. have access to services and supports outside of the public education system that can support them in adulthood; or D. will reach age 22 before the current school year (September 1st).	ARD committee shall determine need to continue or return for transition services after completion of credit requirements as long as the student meets age eligibility requirements and is not older than 21 on September 1st.
Student satisfactorily completes credit requirements through courses, one or more of which contain modified curriculum .			
Student satisfactorily completes credit requirements through courses, one or more of which contain modified curriculum .	STAAR Alternate II		
Students that are receiving Special Education Services can graduate under the Foundation High School Plan with or without endorsements. Students may graduate with 1 or more endorsements by completing all additional courses to satisfy the 26-credit requirement. Course planning, including courses in endorsement areas, should be based on postsecondary goals and student strengths & interests. ARD committees will determine if courses required for an endorsement that are completed with modified curriculum are sufficiently rigorous.			

COLLEGE AND CAREER READINESS

College Preparatory Courses and Programs

College preparatory courses are offered to students in many subject areas at every grade level in high school. These courses are designed for any and all students who have a desire to pursue a challenging curriculum in any subject area. Courses are designated with “Advanced,” “AP,” or “IB” in the course name. In addition to all Texas Essential Knowledge and Skills, subject matter is extended both in breadth and depth and aligned with the expectations of college-readiness from both the Advanced Placement® (AP) Program and the International Baccalaureate® (IB) Diploma Programme (DP). Although not required, Advanced courses are designed to prepare students to be successful in future AP and/or IB courses. Enrollment in Advanced, AP and IB courses at the high school level is open to all students who wish to undertake a challenging course of study.

College Board Advanced Placement® Program

The College Board’s Advanced Placement (AP) Program offers high school students an opportunity to take college-level courses at Leander ISD campuses. Students taking AP courses in high school develop strong academic foundations and build skills for college success. Students are encouraged to pursue AP courses in areas of interest and future studies. AP Courses are available in the following areas*:

- English: English Language, English Literature
- Language: Chinese, French Language & Culture, or Spanish Language & Culture, Spanish Literature & Culture
- History: Human Geography, World History, United States History, Macroeconomics, Microeconomics, United States Government, European History, Psychology
- Sciences: Biology, Chemistry, Environmental Science, Physics 1 & 2, Physics C
- Mathematics: Calculus AB, Calculus BC, Statistics, Precalculus
- Arts: Art, Music Theory, Art History
- STEM: Computer Science Principles, Computer Science A
- Capstone: Seminar, Research

**Students are able to test in additional AP areas such as Italian Language and Culture, Japanese Language and Culture, Latin, and Comparative Government if requested.*

All Leander ISD students enrolled in AP courses are highly encouraged to take the AP exam(s) to demonstrate course completion to potential colleges. By law, all Texas public colleges and universities must award course credit to students who submit scores of 3 or higher on an AP exam. Costs of these exams must be borne by the student; however, financial assistance is available. For further information regarding the College Board AP Program at your high school, see a school counselor or Dean of Instruction.

College Board’s AP Capstone™

College Board’s AP Capstone™ is an innovative diploma program that allows students to develop the skills for future college success: research, collaboration, and communication. The program includes a two-course sequence: AP Seminar and AP Research. Developed in direct response to feedback from higher education faculty and college admission officers, AP Capstone compliments the in-depth, subject-specific rigor of Advanced Placement courses and exams. Students who complete AP Seminar and AP Research with scores of 3 or higher and receive scores of 3 or higher on four AP Exams in subjects of their choosing, receive the AP Capstone Diploma™. Students who earn scores of 3 or higher in AP Seminar and AP Research, but not on four additional AP exams, receive the AP Seminar and Research Certificate™.

International Baccalaureate® Diploma Programme

The International Baccalaureate (IB) Diploma Programme (DP) is designed to develop inquiring, knowledgeable and caring young people who will help to create a better and more peaceful world. The Diploma Programme offers students access to a broad and balanced range of academic studies and learning experiences. Successful completion of coursework and examinations at the junior/senior level may earn students credit at colleges and universities around the world. The IB DP’s broad range of subjects accommodates diverse student interests and intentions. The program motivates students to develop their academic talents while becoming proficient in language, science and mathematics and participating in an in-depth exploration of the study of human behavior and the process of educational inquiry. Thus, the student is provided with a well-rounded, advanced academic program of study emphasizing the development of a balanced, reflective individual.

Beginning in the 11th grade, students will take IB DP coursework in the following areas:

- Studies in Language and Literature: English
- Language acquisition: French or Spanish
- Individuals and Societies: History and Psychology (elective only)
- Sciences: Biology, Chemistry, Physics, and Computer Science
- Mathematics: Analysis and Approaches; Applications and Interpretations (LHS only)
- Arts: Visual Arts, Dance, Music, Theatre Arts. Additionally, students may choose a second science, language or another IB elective in place of an arts course.

To earn a full IB Diploma, the student must achieve sufficient scores on the IB course exams. In addition, students must take the Theory of Knowledge (TOK) course, complete a commitment to Creativity, Activity, and Service (CAS), and write an Extended Essay on a topic of their choice. It is recommended that students interested in the IB Diploma take Algebra I in the 8th grade. It is highly recommended that students take Advanced core courses in 9th and 10th grade to help build skills needed for maximum success in the Diploma Programme.

The IB DP is open to students from any of the Leander ISD high schools. It is currently offered at Leander High School (LHS) and Vandegrift High School (VHS). Prospective IB students from Henry, Leander, Running Brushy, Stiles, Wiley or Danielson Middle Schools will attend LHS. Students from Four Points or Canyon Ridge Middle Schools will attend VHS. Students from Cedar Park Middle School will choose VHS or LHS based on transportation considerations for each family. For further information on the IB Programme, please contact the LHS or VHS International Baccalaureate Programme Coordinator.

Leander ISD establishes district transportation stops for International Baccalaureate (IB) students to Vandegrift High School and Leander High School. Campus IB Coordinators work closely with IB students and the transportation department to schedule and communicate the IB district pick-up/drop-off locations.

Career and Technical Education (CTE)

All students have the opportunity to enroll in Career and Technical Education (CTE) courses along with traditional core academic courses. CTE courses are designed to provide an authentic learning experience through academically rigorous and technology rich curriculum and real-world applications. Ideally, students create balanced 4-year plans that include the best of both academic and CTE classes. Enrollment in CTE courses is open to all qualified students without regard to race, color, creed, religious affiliation, sex, or handicapping conditions. Each student enrolled in a CTE course is eligible to participate in an aligned student organization that provides content enrichment and student leadership opportunities appropriate to the course in which they enrolled. Students will have the opportunity to reach advanced level CTE courses to increase the rigor of their learning, earn industry-based certifications, have work-based learning experiences, and complete a CTE Program of Study.

Leander ISD Public Notification of Nondiscrimination in Career & Technical Education Programs:

Leander ISD offers career and technical education programs of study in the following career cluster areas: Agriculture, Food and Natural Resources; Architecture and Construction; Arts, A/V Technology and Communications; Business, Marketing and Finance; Education and Training; Engineering; Health Science; Hospitality and Tourism; Human Services; Information Technology; Law and Public Service; and Transportation, Distribution and Logistics. Admission to these programs is based on interest and aptitude, age appropriateness, class space available, and the student's program of study. Leander ISD ofrece programas de estudio en profesión y carreras técnicas en las siguientes áreas de concentración: agricultura, alimentos y recursos naturales; arquitectura y construcción; artes, tecnología audiovisual y comunicaciones; negocios, mercadotecnia y finanzas; educación y capacitación; ingeniería; ciencias de la salud; hospitalidad y turismo; servicios humanos, tecnología de la información, leyes y servicio público; y transporte, distribución y logística. La admisión a estos programas se basa en el interés y la aptitud, la edad apropiada, los cupos disponibles en las clases y el programa de estudios del estudiante.

It is the policy of LISD not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational 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. La política del LISD prohíbe la discriminación por motivos de raza, color de piel, origen nacional, género o discapacidad en los programas, servicios o actividades vocacionales, tal como exige el Título VI de la Ley de Derechos Civiles de 1964, en su forma enmendada; el Título IX de las Enmiendas Educativas de 1972; y la Sección 504 de la Ley de Rehabilitación de 1973, en su forma enmendada.

For information about your rights or grievance procedures, contact the Title IX Coordinator at Bryan.Miller@leanderisd.org, (512) 570-0000 and/or the Section 504 Coordinator for Student Services at Angela.Patrick@leanderisd.org, (512) 570-0000. Para información sobre los derechos o procedimientos de quejas, favor de comunicarse con el coordinador del Título IX en Bryan.Miller@leanderisd.org o al (512) 570-0000 o con la coordinadora de servicios estudiantiles de la Sección 504 en Angela.Patrick@leanderisd.org o al (512) 570-0000.

College Entrance Exams

Colleges and universities weigh admissions decisions in part based on the student performance on the ACT and/or SAT exams. SAT/ACT exam scores are not only used for admissions criteria; these scores can be used to determine scholarship and financial awards. All Leander ISD students have exposure to the PSAT family of assessments in 10th and 11th grade. From this testing opportunity, Leander students are provided feedback in terms of academic strengths and weaknesses on skills needed to be successful on the SAT/ACT.

In the junior year, students take admissions exams to demonstrate their readiness for college level work. The first step in preparation is researching target schools to determine SAT/ACT admission score requirements. Students should set score goals and commit to focused practice using Khan Academy and SAT/ACT preparatory resources.

Early College High School

Early College High School is an opportunity for enrolled students to complete rigorous coursework to simultaneously earn a high school diploma with the possibility to earn an associate degree from Austin Community College. Students will have the opportunity to earn up to 60 college credits which will transfer to public institutions in Texas. All fees related to the college coursework pursued during the LISD academic year are paid by Leander ISD while enrolled in ECHS.

Annual admission of up to 125 freshman students into the program is based on a weighted lottery, as outlined by the Texas Education Agency. A key benefit for students and their families is increased persistence rates in completion of a college degree program, equitable access to an associate degree, and an overall collegiate cost savings for families of students in attendance.

Enrollees will begin the program in the summer leading into their freshman year, by attending the required Summer Bridge program facilitated by Austin Community College and Leander ISD staff. The first college level course (EDUC 1300) is taken by students in the spring of their freshman year. Traditional UIL extracurricular activities are not accessible within our Leander ISD Early College High School, however, students may pursue academic and non-academic interests through student-led clubs and organizations.

During the second semester, several informational meetings for eighth grade and their parents/guardians will be held throughout the district. Please watch the Leander ISD website for more information.

The calculation of the Weighted and Unweighted GPA and Class Rank for students who attend Early College High School is consistent with [Board Policy EIC \(Local\)](#) with the exception of the inclusion of dual credit courses. Dual credit courses earned at Early College High School may count in the calculation of GPA and Rank. For more information, please review [Board Policy EIC \(Local\)](#) and the GPA section of this course guide.

Courses Currently Offered at Early College High School. Additional courses may be added in future years.

English	Math	Science	Social Studies	Electives
English I	Algebra I	Biology	AP Human Geography	Spanish I - III
English I Advanced	Algebra I Advanced	Biology Advanced	World Geography	Art I - IV
English II	Algebra II	Chemistry	World History	AVID I - IV
English II Advanced	Algebra II Advanced	Chemistry Advanced	ACC HIST 1301	Principles of Engineering
ACC ENGL 1301 <i>English Composition I</i>	Geometry	Integrated Physics & Chemistry	<i>U.S. History I (before 1877)</i>	Computer Science Principles AP
ACC ENGL 1302 <i>English Composition II</i>	Geometry Advanced	Physics	ACC HIST 1302	Computer Science A AP
ACC ENGL 2322 <i>British Literature: Anglo-Saxon Through 18th Century</i>	Pre Calculus	Physics 1 AP	<i>U.S. History II (from 1877)</i>	Business Information Management I
	ACC MATH 1314 <i>College Algebra</i>	ACC BIOL 1406	ACC GOVT 2305 <i>U.S. Government</i>	Money Matters
	ACC MATH 1414 <i>College Algebra for Precalculus</i>	<i>Cellular and Molecular Biology</i>	ACC GOVT 2306 <i>Texas State and Local Government</i>	Marketing
	ACC MATH 2412 <i>Precalculus - Functions and Graphs</i>	ACC BIOL 1408 <i>Introductory to Biology - Unity of Life</i>	ACC ECON 2301 <i>Principles of Macroeconomics</i>	Business Management
	ACC MATH 1342 <i>Elementary Statistics</i>	ACC ASTR 1403 <i>Stellar Astronomy with Lab</i>	ACC ECON 2302 <i>Principles of Microeconomics</i>	Principles of Business, Marketing, & Finance
	ACC MATH 2413 <i>Calculus I</i>	ACC CHEM 1305/1105 <i>Introduction to Chemistry I - Lab & Lecture</i>	ACC SOCI 1301 <i>Intro to Sociology</i>	Advanced Journalism: Yearbook I - III
		ACC ENVR 1301 <i>Introduction to Environmental Science</i>	ACC PSYC 2301 <i>Intro to Psychology</i>	Debate I-III
				ACC HUMA 1301 <i>Humanities: Prehistory to Renaissance</i>
				ACC HUMA 1302 <i>Humanities: Renaissance to Present</i>
				ACC SPCH 1315 <i>Fundamentals of Public Speaking</i>
				ACC DRAM 1310 <i>Theatre Appreciation</i>
				ACC SPAN 1411 & 1412 <i>Spanish I-III</i>
				ACC EDUC 1300 <i>Effective Learning Strategies</i>

Gifted and Talented Services

Leander ISD Gifted and Talented services are offered to students who have an academic need. These students have scored in the 95th percentile on two measures of general intellectual ability to participate in this program. High school services include acceleration options (college credit courses in high school - International Baccalaureate® (IB) Diploma Programme (DP), Advanced Placement® (AP) courses, Dual Credit - and exams for acceleration), Advanced courses, curriculum extensions, collaboration opportunities, and QUEST independent study. Teachers of advanced courses complete 30 hours of GT training, which includes nature and needs of gifted students.

Leander ISD is fortunate to be able to offer an array of gifted service options for our high school learners. The array of gifted service options provide multiple pathways for students to produce products and performances of professional quality as part of their program services. Through participation in advanced and specialized courses aligned to a student's self-selected pathway of study, GT students are expected to complete at least one advanced-level product/performance during their high school years. We encourage and support all secondary learners to create a four year plan that develops the student's individual strengths and gifts so that the student can self-select the product/performance of their choice before the senior year concludes.

Naviance

Naviance is a comprehensive college and career readiness solution that helps align student strengths and interests to postsecondary goals, improve student outcomes and connect learning to life. Students in Leander ISD utilize Naviance to create 4 year plans, access individual GPA information and explore postsecondary options. Students in grade six through 12 will have an account made available to them.

Dual Credit Program – Austin Community College

The Dual Credit Program through Austin Community College (ACC) allows high school students the opportunity to earn college credit while in high school. What are the benefits of participating in the Dual Credit Program?

- Students get a head start on earning college credit.
- College courses demonstrate increased rigor in the college admissions process.
- College-level work can enhance self-esteem, education, and career goals.
- Many courses are transferable to other public colleges and universities leading to cost savings on tuition and fees.

Students may enroll in college while still enrolled in high school to extend learning or accumulate college hours. To take college courses students must receive a school counselor, College and Career Transition Coordinator and parent approval. Students must be considered full-time high school students. Students must meet college readiness standards as indicated by the Texas Success Initiative (TSI) and are responsible for the enrollment and registration process. This process is time sensitive. Students should check with the campus College and Career Transition Coordinator for information regarding the ACC Dual Credit enrollment process, available resources and potential costs associated with taking dual credit courses. Students should check with individual higher education institutions for transfer equivalency.

Credit earned through dual credit counts for both college and high school credit in a core content area or an elective and fulfills high school graduation requirements. To receive high school credit, the grade in the course must be a C or better. If all conditions are met, dual credit courses will receive credit towards graduation requirements, but the course grades will be excluded from high school grade point average (GPA).

Tuition and fees are waived for college ready high school students residing in the ACC Service Area for up to 60 credit hours. The dual credit tuition and fees waiver can only be applied to eligible college credit courses that are a part of the ACC core curriculum, a workforce course leading to a certificate or associate of applied science degree, and foreign language courses. All other ACC courses will be assessed regular tuition. Dual Credit tuition and fee waivers do not cover textbook and material fees, which must be purchased by the student.

Leander ISD offers a sequence of college credit hours on each high school campus taught by ACC. The sequence of college credit hours allows students to take ACC classes on campus during their junior and senior year of high school. Courses in the dual credit program may include ENGL 1301, ENGL 1302, ENGL 2322, HIST 1301, HIST 1302, GOVT 2305, GOVT 2306, and ECON 2301. Each high school campus dual credit program will vary depending upon student interest and instructor availability.

In addition to taking courses on Leander ISD high school campuses, students can opt to register for online or in-person courses at an ACC campus. The courses that are currently approved for dual credit with ACC are included in this catalog on a separate page. The approved Leander ISD course list and ACC course offerings are subject to change. Students should check with the College and Career Transition Coordinator for the most recent list of approved courses. Leander ISD and ACC provide dual credit courses through an annual memorandum of understanding agreement. Students wishing to take dual credit courses at any other higher education institution should consult with their assigned high school counselor.

Automatic Admission to Texas Public Colleges and Universities

A student is eligible for automatic admission to a college or university as an undergraduate student if the applicant earned a grade point average in the **top 10 percent** of the student's high school graduating class (Texas Education Code, §51.803). If an eligible student is applying as an undergraduate to the University of Texas at Austin in the summer/fall 2026 or spring 2027, the applicant must earn a grade point average determined by The University of Texas. In recent years, students in the top 6 percent of their graduating class were eligible for automatic admission at University of Texas at Austin. The applicant in either case must also:

- (1) earn the distinguished level of achievement under the Foundation High School Program; or
- (2) satisfy ACT's College Readiness Benchmarks on the ACT assessment or earn on the SAT assessment a score of at least 1,500 out of 2,400 or the equivalent.

In accordance with Title 19 Texas Administrative Code (TAC), §5.5(e), high school rank for students seeking automatic admission to a general academic teaching institution on the basis of class rank is determined and reported as follows.

- (1) Class rank shall be based on the end of the 11th grade, middle of the 12th grade, or at high school graduation, whichever is most recent at the application deadline.
- (2) The top 10 percent of a high school class shall not contain more than 10 percent of the total class size.
- (3) The student's rank shall be reported by the applicant's high school or school district as a specific number out of a specific number total class size.
- (4) Class rank shall be determined by the school or school district from which the student graduated or is expected to graduate.

An applicant who does not satisfy the course requirements is considered to have satisfied those requirements if the student completed the distinguished level of achievement under the Foundation High School Program that was available to the student but was unable to complete the remainder of the coursework solely because courses were unavailable to the student at the appropriate times in the student's high school career as a result of circumstances not within the student's control.

To qualify for automatic admission an applicant must:

- (1) submit an application before the deadline established by the college or university to which the student seeks admission;
- (2) meet all curriculum requirements for admission established by the college or university to which the student seeks admission; and
- (3) provide a high school transcript or diploma that indicates whether the student has satisfied or is on schedule to satisfy the requirements of the distinguished level of achievement under the Foundation High School Program or the portion of the distinguished level of achievement under the Foundation High School Program that was available to the student.

Colleges and universities are required to admit an applicant for admission as an undergraduate student if the applicant is the child of a public servant who was killed or sustained a fatal injury in the line of duty and meets the minimum requirements, if any, established by the governing board of the college or university for high school or prior college-level grade point average and performance on standardized tests.

Texas Success Initiative (TSI)

Texas Success Initiative (TSI) - Texas law requires all entering students who wish to enroll in Texas public higher education institutions to meet college readiness standards in reading, writing and math. Students who do not meet one or more of the established benchmarks of the TSI assessment are required to receive developmental education academic support as determined by the institution. The developmental component provides support aligned directly with the learning outcomes, instruction, and assessment of the entry-level credit course, and makes necessary adjustments as needed to advance students' success in the entry-level course. The same TSI standards are also required for students who participate in Austin Community College's Dual Credit program. College readiness standards for available assessments are listed below:

- SAT is a minimum score of 480 on the Evidence-Based Reading and Writing (EBRW) and 530 on Math.
- ACT is a combined score of 40 on English and Reading and 22 on Math.
- TSI Assessment (TSIA) is a minimum Essay Score of 5 and College Readiness Classification (CRC includes reading and writing) multiple choice score of 945 or CRC multiple choice score of 910 with Diagnostic Level 5-6, and a minimum score of 950 on Math or 910 with Diagnostic Level 6.
- STAAR (EOC) is 4000+ English II scale score (combined Reading and Writing test); 4000+ Algebra I scale score AND grade of 70+ on high school Algebra II course. STAAR (EOC) can only be used for Dual Credit admission.
- PSAT/NMSQT is a minimum score of 460 on the Evidence-based Reading and Writing (EBRW) and 510 on Math. PSAT/NMSQT can only be used for Dual Credit admission.

The TSI Assessment (TSIA) is designed to help Texas institutions determine if students are ready for college level coursework in reading, writing, and math. Leander ISD administers the TSIA to any interested student for entry into the Dual Credit Program at Austin Community College or for college placement as required by Texas public colleges and universities. All students who take the TSIA are required to complete a Pre-Assessment Activity and provide documentation of completion before testing.

Free Application for Federal Student Aid (FAFSA)

The Free Application for Federal Student Aid (FAFSA) is available at www.FAFSA.ed.gov beginning October 1 of each year. The FAFSA is an online application that should be completed during a student's senior year in high school. Completing a FAFSA may qualify a student for federal student loans, grants, the work-study program, scholarships and student/parent loans (subsidized & unsubsidized). Additionally, many universities require the FAFSA be filled out to be eligible for scholarship opportunities at the college or university. Families may submit the FAFSA as early as October 1 of the student's senior year. Most universities have a FAFSA priority deadline. Texas General Academic Teaching Institutions typically have a priority deadline of January 15th for FAFSA submission. Students should check the FAFSA deadline for each school to which they apply.

The FAFSA should be completed if you are a:

- U.S. Citizen
- Permanent U.S. resident with an Alien Registration Card (I-551)
- Conditional permanent U.S. resident with visa type I-551C
- Eligible noncitizen with an Arrival/Departure Record (I-94) showing you as a: (a) Refugee (b) Asylum granted (c) Parolee (d) Cuban-Haitian entrant. Additional information can be found at <https://fafsa.ed.gov/>.

The TASFA is the Texas Application for State Financial Aid and is an alternative to the FAFSA for undocumented students in Texas. Texas allows undocumented students to apply for state financial aid and state tuition under certain conditions. The TASFA needs to be completed during the senior year in high school. The TASFA may be submitted online or with a paper version. Paper versions are available in English and Spanish and can be found at [College for All Texans](#). See your school counselor for additional information on FAFSA and TASFA.

House Bill 3 passed by the Texas Legislature requires students to complete one of the following as a requirement for graduation:

- Complete and submit a FAFSA
- Complete and submit a TASFA
- Complete a signed opt-out form

Armed Services Vocational Aptitude Battery (ASVAB) Career Exploration Program

The Armed Services Vocational Aptitude Battery (ASVAB) Career Exploration Program facilitates career planning and exploration, combining a multiple-aptitude test with an interest self-assessment and wide range of career exploration tools. The test is a multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success. The test is FREE and is offered to all interested 10th - 12th grade students each school year. A student does not need to join the military to take the ASVAB. Results from the test are shared with the individual student and campus only.

Parent/Guardian Request to Repeat a High School Course

With the passage of [HB 3803](#), a parent or guardian may elect for a student to repeat any course in which the student was enrolled in during the previous school year. [TEC 28.02124](#) states that a student who receives a passing grade or who earns credit for a high school course shall retain a school district's or open-enrollment charter school's original assignment of a grade or award of credit. If a student repeats a course under the terms of HB 3803 in Leander ISD and they previously earned a passing grade of 70% or higher, the new grade will be entered as either Pass (P) or Fail (F).

The following courses cover similar Texas Essential Knowledge and Skills (TEKS). A student may take both courses, but the final grade for the second course will be entered as Pass/Fail and excluded from the calculation of the GPA.

On-Level Course/Advanced Course Name	AP/IB Course Name
World Geography	AP Human Geography
World History	AP World History
U.S. History	AP US History
Government	AP Government
Economics	AP Macroeconomics
Economics	AP Microeconomics
Precalculus	AP PreCalculus
Statistics	AP Statistics

Performance Acknowledgements

Students graduating on the Foundation High School Program can earn Performance Acknowledgements on their transcript for outstanding performance in a dual credit course; in bilingualism and bi-literacy; on an AP or IB exam; on the PSAT/NMSQT®, SAT® or ACT®; and by earning a nationally or internationally recognized business or industry certification or license. Please see page 15 of the graduation requirements link found on the [Texas Education Agency website](#) for specific Performance Acknowledgement requirements.

Programs of Study Business/Industry-Based Certifications Performance Acknowledgements

Accounting and Financial Services: Accounting: Intuit QuickBooks Certified User

Agricultural Technology and Mechanical Systems: American Welding Society (AWS) - SENSE Level I Certification, D1.1 Structural Steel, D9.1 Sheet Metal Welding

Animal Science: Certified Veterinary Assistant Level 1, Equine Management & Evaluation Certification

Architectural Drafting and Design: Architecture: Autodesk Associate (Certified User) - Revit Architecture and AutoCad

Architectural Drafting and Design: Interior Design: Google Sketchup Certificate

Automotive: Entry-Level Automotive Service Excellence (ASE)

Biomedical Science: Biotechnical Assistant Credentialing Exam (BACE)

Business Management: Microsoft Office Specialist, Microsoft Office Expert, Microsoft Office Specialist - Associate

Carpentry: Construction: National Center for Construction Education (NCCER) - Core, Carpentry I & II

Cosmetology and Personal Care Services: Cosmetology, Operator License Texas

Culinary Arts: ServSafe Manager

Diagnostic and Therapeutic Services: Healthcare: Certified Clinical Medical Assistant, Certified Pharmacy Technician (CPhT)

Digital Communications: Adobe Certified Professional - Premiere Pro Professional

Electrical: National Center for Construction Education (NCCER) - Core, Electrical I, II & III

Engineering Foundations: Autodesk Associate (Certified User) Inventor for Mechanical Design

Entrepreneurship: Entrepreneurship and Small Business (ESB)

Exercise Science, Wellness, and Restoration: Pre-Professional Assessment Certification - Nutrition, Food, & Wellness

Graphic Design and Interactive Media: Animation: Autodesk Associate (Certified User) 3ds Max and After Effects

Graphic Design and Interactive Media: Fashion Design: Adobe Certified Professional - Photoshop

Graphic Design and Interactive Media: Graphic Design and Illustration: Adobe Certified Professional – Photoshop and Illustrator

Health and Wellness: Pre-Professional Assessment Certification - Nutrition, Food, & Wellness

Law Enforcement: IAED Emergency Telecommunicator

Lodging and Resort Management: ServSafe Manager; Hospitality and Tourism Management, Certified

Marketing and Sales: Stukent Social Media Marketing Certification

Plant Science: Texas State Floral Association – Floral Skills Knowledge Based, Certification Level I & II

Programming and Software Development: App Development: Apple App Development with Swift

Programming and Software Development: Computer Science Studies: Information Technology Specialist: Java

Programming and Software Development: Cyber Security: CompTIA Security+

Teaching and Training: Pre-Professional Assessment Certification - Education Fundamentals; Educational Aide I

GPA Calculation and Reporting

The calculation of the weighted and unweighted GPA is outlined in [Board Policy EIC \(Local\)](#).

Courses Included in the Calculation of Weighted GPA

A student's weighted GPA will be used to calculate class rank. Courses included in the calculation of the weighted GPA are from the following areas:

1. Up to eight semesters in English/language arts;
2. Up to eight semesters in mathematics;
3. Up to eight semesters in science;
4. Up to eight semesters in social studies; and
5. Up to four semesters in languages other than English (LOTE).

If a student completes more than the number of semesters listed within the five categories specified above, the student's weighted GPA used for class rank shall be calculated using the student's grades within each category with the highest grade point value. Courses will receive weight based on the levels outlined below.

Dual credit courses will receive credit towards graduation requirements, but the course grades will be excluded from high school grade point average (GPA). Dual credit courses taken at the Leander ISD Early College High School will be included in the calculation of the weighted and unweighted GPA.

Courses taken for high school credit while in middle school will receive credit towards graduation requirements, but the course grades will be excluded from the high school grade point average (GPA). The calculation of the weighted and unweighted GPA begins with courses taken after the completion of 8th grade and includes courses completed during the summer between 8th and 9th grade.

Reporting Class Rank

Class rank will only be reported for the top ten percent of each class. After each calculation period, students in the top ten percent will be told their exact class rank in accordance with administrative procedures.

The lowest weighted GPA of students in the top ten percent, the first quartile, the second quartile, and the third quartile shall be communicated to all students in the class after each calculation period. The district shall include on the official transcript of each student in the top ten percent the student's specific numerical rank out of the specific total class size.

GPA and Rank Calculation Schedule

Cumulative GPA and rank in class shall be calculated and communicated to students as specified below:

- **Grade 9:** following the second semester grading period (June) of the academic year.
- **Grade 10:** following the second semester grading period (June) of the academic year.
- **Grade 11:** following the first semester grading period (January) and following the second semester grading period (June) of the academic year.
- **Grade 12:** following the first semester grading period (January) and the final class rank for seniors at the end of the fifth six-week grading period of the senior year; the average of the fourth and fifth six-week grades shall be used as the final semester grade for this purpose.

Students who graduate early shall be ranked with their initial high school cohort class.

GPA Calculation and Reporting (cont.)

Level I, II and III courses

Level I, II and III courses will be published annually in the Leander ISD High School Course Catalog. The following courses will be used to calculate the weighted GPA.

The district shall convert semester grades to grade points and shall calculate a weighted GPA in accordance with the following chart:

Level I: 5.0 Scale	Level II: 5.5 Scale	Level III: 6.0 Scale
English		
English I English II English III English IV	English I Advanced English I QUEST* English II Advanced English II QUEST*	English III AP English III IB English IV AP English IV IB
Math		
Algebra I Algebra II Algebraic Reasoning College Prep Math Geometry Math Models Precalculus Statistics	Algebra I Advanced Algebra II Advanced Geometry Advanced Precalculus Advanced Precalculus OnRamps* Precalculus IB Prep*	Calculus AB AP Calculus BC AP Math: Analysis & Appr IB SL Math: Analysis & Appr IB HL Math: Application & Int IB SL Math: Application & Int IB HL Precalculus AP Statistics AP
Science		
Astronomy Biology Chemistry Environmental Systems Earth and Space Science* Earth Systems Science Integrated Physics and Chemistry Physics Specialized Topics in Science I-III	Biology Advanced Chemistry Advanced	Biology AP Biology IB SL Biology IB HL Chemistry AP Chemistry IB SL Chemistry IB HL Environmental Science AP Physics 1 AP Physics 2 AP Physics C: Mechanics AP Physics IB SL Physics IB HL
Social Studies		
An American Experience* African American Studies Economics Mexican American Studies New Testament & Amer Civ Old Testament & Amer Civ Personal Financial Literacy Psychology Sociology U.S. Government U.S. History World Geography World History	Investigations in Psychology	European History AP History of the Americas IB Human Geography AP Macroeconomics AP Microeconomics AP Psychology AP Psychology IB U.S. Government AP U.S. History AP World History AP
World Languages		
American Sign Language I, II, III, IV Chinese I, II, III, IV French I, II Latin I*, II* Spanish I, II, III	Chinese II Advanced Chinese III Advanced French II Advanced French III Advanced French V Advanced Latin II Advanced* Latin III Advanced* Spanish II Advanced Spanish III Advanced Advanced Language for Career Applications Seminar in Languages other than English, Advanced Spanish	Chinese IV AP French IV AP French IB SL French IB HL Latin IV AP* Latin IB SL* Latin IB HL* Spanish IV AP Spanish V AP Spanish IB SL Spanish IB HL

*Course not currently offered in Leander ISD

Grade/ Percentage	Level III	Level II	Level I
100	6	5.5	5
99	5.9	5.4	4.9
98	5.8	5.3	4.8
97	5.7	5.2	4.7
96	5.6	5.1	4.6
95	5.5	5.0	4.5
94	5.4	4.9	4.4
93	5.3	4.8	4.3
92	5.2	4.7	4.2
91	5.1	4.6	4.1
90	5.0	4.5	4.0
89	4.9	4.4	3.9
88	4.8	4.3	3.8
87	4.7	4.2	3.7
86	4.6	4.1	3.6
85	4.5	4.0	3.5
84	4.4	3.9	3.4
83	4.3	3.8	3.3
82	4.2	3.7	3.2
81	4.1	3.6	3.1
80	4.0	3.5	3.0
79	3.9	3.4	2.9
78	3.8	3.3	2.8
77	3.7	3.2	2.7
76	3.6	3.1	2.6
75	3.5	3.0	2.5
74	3.4	2.9	2.4
73	3.3	2.8	2.3
72	3.2	2.7	2.2
71	3.1	2.6	2.1
70	3.0	2.5	2.0
Below 70	0	0	0

LEANDER ISD & AUSTIN COMMUNITY COLLEGE APPROVED DUAL CREDIT COURSES

ACC #	Austin Community College Title	Leander ISD High School Course Title	Credit
College Readiness			
EDUC 1300	Effective Learning Strategies	College Readiness and Study Skills	½
English Language Arts and Reading			
ENGL 1301	English Composition I	English III or English IV	1**
ENGL 1302*	English Composition II		
ENGL 2328* OR ENGL 2322*	American Literature: Civil War to the Present OR British Literature: Anglo-Saxon Through 18th Century	English IV (must have completed ENGL 1301 and ENGL 1302)	1**
ENGL 2307*	Creative Writing***	Creative Writing	½
HUMA 1301	Humanities: Renaissance to Renaissance	Humanities	1
HUMA 1302	Humanities: Renaissance to Present	Humanities	1
SPCH 1311	Introduction to Speech Communication	Communication Applications	½
SPCH 1315	Fundamentals of Public Speaking	Public Speaking	1
Mathematics			
MATH 1314*	College Algebra	Math Independent Study	1**
MATH 1332*	Contemporary Mathematics	Advanced Quantitative Reasoning	1**
MATH 1342	Elementary Statistics	Statistics	1**
MATH 1414*	College Algebra for Precalculus	Math Independent Study	1
MATH 2305*	Discrete Mathematics	Math Independent Study	1
MATH 2318*	Linear Algebra***	Math Independent Study	1
MATH 2412*	Precalculus - Functions and Graphs	Precalculus	1
MATH 2413*	Calculus I	Math Independent Study	1
MATH 2414*	Calculus II	Math Independent Study	1
MATH 2415*	Calculus III	Math Independent Study	1
MATH 2420*	Differential Equations***	Math Independent Study	1
Natural Sciences			
ASTR 1403	Stellar Astronomy with Lab	Astronomy	1
BIOL 1406	Cell and Molecular Biology	Specialized Topics in Science	1
BIOL 1408	Introductory to Biology - Unity of Life	Specialized Topics in Science	1
CHEM 1105	Introduction to Chemistry I - Lab	Chemistry (<i>Must take both courses to receive credit</i>)	1
CHEM 1305	Introduction to Chemistry I - Lecture		
CHEM 1109	General Chemistry for Engineering Majors I - Lab	Chemistry (<i>Must take both courses to receive credit</i>)	1
CHEM 1309	General Chemistry for Engineering Majors I - Lecture		
ENVR 1301	Introduction to Environmental Science	Environmental Systems	1
PHYS 1401*	General College Physics I	Physics	1
Social Studies			
ECON 2301	Principles of Macroeconomics	Economics - Free Enterprise	½**
ECON 2302	Principles of Microeconomics	Economics - Free Enterprise	½**
GEOG 1301	Intro to Physical Geography	World Geography (<i>Must take both courses to receive credit</i>)	1
GEOG 1302	Human Geography		
GOVT 2305	U.S. Government	Government	½**
GOVT 2306	Texas State and Local Government	Special Topics in Social Studies	½
HIST 1301	U.S. History I (before 1877)	Special Topics in Social Studies	½
HIST 1302	U.S. History II (from 1877)	U.S. History	1**
PSYC 2301	Intro to Psychology	Psychology	½
SOCI 1301	Intro to Sociology	Sociology	½
Fine Arts			
ARTS 1316	Drawing I***	Art II: Drawing	1**
ARTS 2326	Sculpture I***	Art II: Sculpture	1**
ARTS 2346	Ceramics I***	Art II: Ceramics	1**

ACC #	Austin Community College Title	Leander ISD High School Course Title	Credit
DANC 1245	Modern Dance***	Dance I	1**
DRAM 1310	Theatre Appreciation	Theatre Arts	1**
DRAM 1351	Acting I***	Theater Arts I	1**
MUSI 1181	Piano Class I***	Instrumental Ensemble I	1**
Health and Physical Education			
KINE 1101	Cardio Conditioning***	Lifetime Fitness and Wellness Pursuit <i>(Must take both courses to receive credit)</i>	1**
KINE 2101	Aerobics II***		
Languages Other Than English			
CHIN 1411	Chinese I	Chinese I	1
CHIN 1412*	Chinese II	Chinese II	1**
CHIN 2311*	Chinese III	Chinese III	1
CHIN 2312*	Chinese IV	Chinese IV	1
FREN 1411	French I	French I	1
FREN 1412*	French II	French II	1**
FREN 2311*	French III	French III	1
FREN 2312*	French IV	French IV	1
GERM 1411	German I	German I	1
GERM 1412*	German II	German II	1**
GERM 2311*	German III	German III	1
GERM 2312*	German IV	German IV	1
JAPN 1411	Japanese I	Japanese I	1
JAPN 1412*	Japanese II	Japanese II	1**
JAPN 2311*	Japanese III	Japanese III	1
JAPN 2312*	Japanese IV	Japanese IV	1
LATI 1411	Latin I	Latin I	1
LATI 1412*	Latin II	Latin II	1**
LATI 2311*	Latin III	Latin III	1
LATI 2312*	Latin IV	Latin IV	1
RUSS 1411	Russian I	Russian I	1
RUSS 1412*	Russian II	Russian II	1**
RUSS 2311*	Russian III	Russian III	1
RUSS 2312*	Russian IV	Russian IV	1
SGNL 1401	American Sign Language: Beginning I	American Sign Language I	1
SGNL 1402*	American Sign Language: Beginning II	American Sign Language II	1**
SGNL 2301*	American Sign Language: Beginning III	American Sign Language III	1
SPAN 1411	Spanish I	Spanish I	1
SPAN 1412*	Spanish II	Spanish II	1**
		Spanish III	1
SPAN 2311*	Spanish III	Spanish IV	1
Electives			
BUSI 2301	Business Law	Business Law	1
COMM 1307	Intro to Mass Communications***	Journalism	1
COSC 1301	Introduction to Computing	Principles of Information Technology	1
COSC 1315	Fundamentals of Programming	Fundamentals of Computer Science	1
COSC 1336	Programming Fundamentals I	Computer Science I	1
COSC 1337*	Programming Fundamentals II	Computer Science II <i>(Must take COSC 1336 and COSC 1337 to receive credit)</i>	1
COSC 2436*	Programming Fundamentals III: Data Structures	Computer Science III	1
ACNT 1403	Introduction to Accounting I	Accounting I	1

ACC #	Austin Community College Title	Leander ISD High School Course Title	Credit
ARTC 1302	Digital Imaging I	Graphic Design and Illustration	1
ARTV 1402	Introduction to Technical Animation and Rendering	Digital Art and Animation	1**
BITC 1411	Introduction to Biotechnology	Advanced Biotechnology	1
CETT 1425	Digital Fundamentals	Digital Electronics	1
CRIJ 1301	Introduction to Criminal Justice	Law Enforcement I	1
CRIJ 1306	Court Systems and Practices	Court Systems and Practices	1
DFTG 1405	Technical Drafting	Architectural Design <i>(Must take both courses to receive credit)</i>	1
DFTG 1417*	Architectural-Residential		
HART 1401	Basic Electricity for HVAC	Electrical Technology 1	1
HART 1407*	Refrigeration Principles	HVAC and Refrigeration Technology I <i>(Must take both courses to receive credit)</i>	1
HART 1403*	Air Conditioning Control Principles		
HART 1441*	Residential Air Conditioning	CTE Project-Based Capstone	1
HPRS 1206	Essentials of Medical Terminology	Medical Terminology	1
IBUS 1305	Intro to International Business & Trade	Global Business	½

*Has prerequisites: See current ACC Catalog for additional information.

**Recommended that this course be completed prior to the last semester in the year in which the student plans to graduate in order to ensure recovery time of credit, if needed, before expected graduation.

*** Tuition Required: See current ACC Catalog for additional information.

This list is subject to change. Contact Teaching and Learning for additional course approval requests or information.

COURSE SELECTIONS

Program Descriptions

Advanced – Advanced courses are designed to challenge as well as prepare students for Advanced Placement (AP) and International Baccalaureate (IB) advanced courses. Advanced courses prepare students for college-level work while in high school. Student expectations: 1) the ability to go above and beyond what is asked; 2) good time management skills; and 3) high interest in the subject matter.

Advanced Placement (AP) – AP courses are equivalent to first-year college courses. Students enrolled in an AP course are encouraged to take the AP exam to potentially receive college credit.

Dual Credit (DC) – The Dual Credit Program at Austin Community College (ACC) allows high school students the opportunity to earn college credit while in high school. Credit earned through dual credit counts for both college and high school credit in a core content area or an elective and fulfills high school graduation requirements.

International Baccalaureate (IB) Diploma Programme (DP) – The DP is a comprehensive and rigorous two-year curriculum. Although the program does not begin until the junior year, advanced courses in the 9th and 10th grades are the best preparation for the DP. Students enrolled in IB courses may receive college credit by taking the IB exam and earning a qualifying score. The DP student takes IB courses in six different subject areas. Students interested in pursuing the DP should contact the Campus IB Coordinator.

Modified (M) – Modified (M) follows the TEKS standards but is adapted to reduce the amount or complexity of the required knowledge and skills to meet the individual learning needs of the student. *Prerequisite: Committee Determination*

QUEST-G/T – Students develop a four year plan that builds on their self-identified areas of strength. Gifted learners are encouraged to take either the IB or AP Capstone diploma or develop a self selected pathway of study that includes advanced programs coursework to ensure they are maximizing their academic potential in their area(s) of giftedness.

Sheltered Instruction (SI) – Sheltered Instruction follows the TEKS, curriculum, and materials of on-level courses. However, second language acquisition methods, adapted pacing, and reading level materials are used to meet the individual learning needs of the student. *Prerequisite: Emergent Bilinguals (EBs) needing accelerated second language acquisition proficiency.*

It is the intent of Leander ISD to offer all courses in this catalog unless otherwise stated. However, some courses may not be offered at all campuses if sufficient interest/enrollment is not evident. Instructor availability will also be a factor in course offerings.

ENGLISH

The State Board of Education has approved the following courses as a substitute for the 4th English/Language Arts credit. Leander ISD offers the following approved courses: English IV, AP English Literature and Composition, IB Languages Studies, Creative Writing (full credit), Debate III, Advanced Journalism: News Media III and Advanced Journalism: Yearbook III, Independent Study in Journalism and Independent Study in Speech.

English I

English I

Credit: 1

Grade: 9-12

PEIMS #03220100

Course 1110

English I provides readers and writers with daily opportunities to refine their written and oral communication skills through the study and application of reading, writing, and inquiry performance tasks. Students practice a variety of writing tasks in a variety of genres. Students plan, draft, and craft complete written compositions on a regular basis. Writers edit and revise papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Writers are also expected to publish to audiences within and beyond the classroom. Students read extensively in multiple genres – analyzing the works and interpreting the possible influences of historical and cultural context. Students read texts in both digital and traditional formats from diverse authors as they practice 21st century literacy skills. The higher-level critical thinking skills of analysis, evaluation, and synthesis are also practiced in authentic reading and writing contexts.

English I Advanced

Course 1110ADV

English for Speakers of Other Languages I

Credit: 1

Grade: 9-12

PEIMS #03200600

Course 1156

Prerequisite(s): Emergent Bilingual (EB) Newcomers only

This course develops an understanding of English and provides explicit instruction for developing English Language acquisition skills. Students engage in numerous language and culture activities that build on their prior knowledge and skills in order to strengthen their listening, speaking, reading, and writing skills.

- *English for Speakers of other Languages (ESOL) I may be substituted for English I.*

English II

English II

Credit: 1

Grade: 10-12

PEIMS #03220200

Course 1210

English II continues to build proficiency and refine students' written and oral communication skills, building on the reading, writing, and inquiry skills they developed in English I. Students practice a variety of writing tasks in a variety of genres. Students plan, draft, and craft complete written compositions on a regular basis. Writers edit and revise papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Writers are also expected to publish to audiences within and beyond the classroom. Students read extensively in multiple genres – analyzing the works and interpreting the possible influences of historical and cultural context. Students read texts in both digital and traditional formats from diverse authors as they practice 21st century literacy skills. The higher-level critical thinking skills of analysis, evaluation and synthesis are also practiced in authentic reading and writing contexts.

English II Advanced

Course 1210ADV

English for Speakers of Other Languages II

Credit: 1

Grade: 10-12

PEIMS #03200700

Course 1256

Prerequisite(s): ESOL I or Emergent Bilingual (EB) Newcomers only

This course develops an increased understanding of English and provides explicit instruction for developing English Language acquisition skills. Students engage in numerous activities that build on their prior knowledge and skills in order to strengthen their listening, speaking, reading and writing skills.

- *English for Speakers of other Languages (ESOL) II may be substituted for English II.*

English III

English III

Credit: 1

Grade: 11-12

PEIMS #03220300

Course 1312

English III continues to further increase and refine students' written and oral communication skills, building on the reading, writing, and inquiry skills they developed in English II. Students practice a variety of writing tasks in a variety of genres. Students plan, draft, and craft complete written compositions on a regular basis. Writers edit and revise papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Writers are also expected to publish to audiences within and beyond the classroom. Students read extensively in multiple genres – analyzing the works and interpreting the possible influences of historical and cultural context. Students read texts in both digital and traditional formats from diverse authors as they practice 21st century literacy skills. The higher-level critical thinking skills of analysis, evaluation, and synthesis are also practiced in authentic reading and writing contexts.

English III: Language and Composition AP

Credit: 1

PEIMS #A3220100

Grade: 11-12

Course 1330

English Language and Composition AP allows students to submit final drafts of their work and will develop college-level reading, writing, and speaking skills. This course allows students to continue at an accelerated pace in their growth of analysis, evaluation, and synthesis in the study of American and other world literature. It also introduces the elements and dynamics of rhetorical theory. Students learn about the elements of argument and composition while developing critical-reading and writing skills. Students read and analyze nonfiction works from various periods and write essays with different aims. This course prepares students to take the AP Exam.

- *This course is designed to be the equivalent of freshman English programs at most colleges and universities.*

LHS & VHS

English III Language and Literature IB HL1

Credit: 1

PEIMS #I3220600

Grade: 11-12

Course 1340

Language and Literature IB HL 1 allows students to submit typed final drafts of their work and develop college-level reading, writing and speaking skills. This course allows students to continue at an accelerated pace in their growth of analysis, evaluation, and synthesis in the study of American and other world literature. It also introduces the elements and dynamics of rhetorical theory. This course prepares students to take the IB Exam.

- *This course is designed to be the equivalent of freshman English programs at most colleges and universities.*

English III - ACC Dual Credit (ENGL 1301 and ENGL 1302)

Credit: 1

PEIMS #03220300

Grade: 11-12

Course 1312DC1/1312DC2

Prerequisite(s): ACC Dual Credit Enrollment Process

English III dual credit is taught by an adjunct ACC professor and is scheduled during the regular school day or evenings. The course consists of ENGL 1301 fall semester and ENGL 1302 spring semester with an American Literature overlay. Upon successful completion of the course, students will receive high school English III credit. Students must make at least a 70 in both semesters to receive high school credit.

English IV

English IV

Credit: 1

PEIMS #03220400

Grade: 12

Course 1410

English IV is designed to prepare students for college/career level reading and writing intensive courses including freshman composition and other introductory college courses. Students use critical writing and reading skills to develop and represent the processes and products of their critical thinking. Through critical writing and reading, writers think through ideas, problems and issues; identify and challenge assumptions; and explore multiple ways of understanding. This is important in college as writers are asked to move past obvious or surface-level interpretations and use writing to make sense of and respond to written, visual, verbal and other texts that they encounter. Writers learn to move back and forth through different stages of writing, adapting those stages to the situation to independently produce final, polished texts. Writers are also expected to publish to audiences within and beyond the classroom. Students read texts in both digital and traditional formats from diverse authors as they practice 21st century literacy skills. A balance of literary and informational text analysis and writing tasks offer students multiple opportunities to produce products for authentic audiences and purposes. *In Leander ISD, the College Prep English Framework is incorporated into the English IV curriculum. These curricular considerations prepare students for college level reading and writing tasks. As part of the Texas Success Initiative (TSI), Texas law requires students entering college to meet readiness standards in reading, writing, and mathematics. Various assessments determine if a student needs reinforcement of specific skills.*

English IV: Literature and Composition AP

Credit: 1

PEIMS #A3220200

Grade: 12

Course 1430

English Literature and Composition AP is designed to allow students to develop analytical skills in critical reading and writing that demonstrate college level achievement in the study of world literature. Instruction emphasizes the understanding and evaluation of works of fiction, poetry, and drama from various periods and cultures. Students read literary works and write essays to explain and support the analysis of the literary works. This course prepares students to take the AP Exam.

- *This course is designed to be the equivalent of sophomore English programs at most colleges and universities.*

LHS & VHS

English IV: Language and Literature IB HL2

Credit: 1

PEIMS #I3220600

Grade: 12

Course 1440

Language and Literature IB is designed to allow students to develop analytical skills in critical reading and writing that demonstrate college level achievement in the study of world literature. Instruction emphasizes developing skills in composition and literary analysis through various activities. The Extended Essay is a 3,000-4,000-word independent research project completed by IB students with the assistance of a faculty advisor. This course prepares students to take the IB Exam.

- *This course is designed to be the equivalent of sophomore English programs at most colleges and universities.*

English IV - ACC Dual Credit (ENGL 1301 and ENGL 1302)**Credit: 1****PEIMS #03220100****Grade: 12****Course 1410DC1/1410DC2***Prerequisite(s): ACC Dual Credit Enrollment Process*

English IV dual credit is taught by an adjunct ACC professor and is scheduled during the regular school day or evenings. The course consists of ENGL 1301 fall semester and ENGL 1302 spring semester with a British Literature overlay. Upon successful completion of the course, students will receive high school English IV credit. Students must make at least a 70 in both semesters to receive high school credit.

English IV - ACC Dual Credit (ENGL 2322)**Credit: 1****PEIMS #032201****Grade: 12****Course 1410DC***Prerequisite(s): ACC Early College Start Enrollment Process, ENGL 1301 and ENGL 1302*

British Literature (ENGL 2322) is taught by an adjunct ACC professor and is scheduled during the regular school day or evenings. Upon successful completion of the ENGL 2322, ENGL 1301 and ENGL 1302 students will receive high school English IV credit. Students must make at least a 70 in all three courses to receive high school credit.

Speech

Chapter §74.11. of Texas Education Code requires students to demonstrate proficiency in communication skills needed for professional and social success. This state requirement will be met through the completion of English IV (including AP/IB and Dual Credit courses) or an approved English IV substitution. Approved English IV substitutions that meet the speech requirement are: Debate III. Students may also satisfy the speech requirement by completing an elective credit in any of the following courses: Theory of Knowledge, AVID, Communication Applications or Professional Communications.

Debate I-III**Credit: 1****PEIMS #03240600****PEIMS #03240700****PEIMS #03240800****Grade: 9-12****Course 1511****Course 1512****Course 1513**

Debate students learn various formats of high school competitive speech/debate. Students will prepare and present speeches on opposing sides of a resolution (topic) to convince an adjudicator to vote in their favor. Students will improve their knowledge and understanding of important social issues of our time, develop and use valid approaches for affirmative and negative cases based on research and/or philosophy, and use skills to debate propositions of value and policy. Students will learn refutation skills, burden of proof skills, and evaluation skills. Within this process, students will gain skills in reading, writing, speaking, listening, and thinking. They will also examine concepts and skills related to preparing and presenting public messages. Students will also analyze and evaluate creation, organization, style, memorization, and delivery. Skill levels will increase with each level of Debate. UIL and/or Texas Forensic Association competitions may be required.

- Students may take Debate I-III, then an Independent Studies course in their senior year.

Independent Study in Speech I-III**Credit: 1****PEIMS #03241200****PEIMS #03241210****PEIMS #03241220****Grade: 10-12****Course 1527****Course 1528****Course 1529***Prerequisite(s): Student Enrollment Request*

Independent Study in Speech is for students who have reached a high level of achievement in forensic activity. Students will independently pursue work in specific forensic topics or events.

Journalism**Journalism****Credit: 1****PEIMS #03230100****Grade: 9-11****Course 1531**

Journalism provides an overview of the fundamentals of journalism including how to write news stories, features, editorials, sports stories and captions. Other topics to be covered include the elements of dynamic journalism, photography, advertising, essentials of layout, design, style and typography. Students will also be given an opportunity to examine the roles of radio, TV and film through changing times and produce original work relating to their special fields of interest.

Photojournalism I**Credit: 1****PEIMS #03230800****Grade: 10-12****Course 1546***Recommended Prerequisite(s): Journalism**Prerequisite(s): Student Enrollment Request*

Photojournalism I is all digital. Students in this class will learn the basics of photojournalism: history, techniques, caption writing, how to use a digital camera and how to use editing software to correct photos. Students are required to complete class projects as well as take photos at events for yearbook and news media.

Advanced Journalism: Yearbook Production I-III**Credit: 1****PEIMS #03230110****PEIMS #03230120****PEIMS #03230130****Grade: 10-12****Course 1534****Course 1535****Course 1536***Prerequisite(s): Student Enrollment Request**Recommended Prerequisite(s): Journalism*

Students in Yearbook Productions will produce the school yearbook. Duties/assignments may include planning, writing, producing, selling and distributing the yearbook. Students will also be responsible for working as part of the yearbook staff, creating thematic concepts, communicating with various school personnel and students, writing copy, shooting photos, designing pages, efficiently using computer desktop publishing programs, and meeting deadlines. Objectives include management and production of the yearbook, using editorial judgment and journalistic integrity, as well as working within time constraints and budget limitations.

Advanced Journalism: News Media I-III**Credit: 1****PEIMS #03230140****PEIMS #03230150****PEIMS #03230160****Grade: 10-12****Course 1537****Course 1538****Course 1539***Recommended Prerequisite(s): Journalism**Prerequisite(s): Student Enrollment Request*

Students in News Media manage and produce content for the school news media website. Duties/ assignments may include advanced writing, interviewing, in-depth research for news stories and features, photography, photo editing, page layout and design, ad design, implementing an advertising campaign and meeting deadlines. Objectives include management and production of the school news media website, using editorial judgment and journalistic integrity, as well as working with time constraints and budget limitations.

Independent Study in Journalism I-III**Credit: 1****PEIMS #03231000****PEIMS #03231011****PEIMS #03231022****Grade: 10-12****Course 1547****Course 1548****Course 1549***Prerequisite(s): Student Enrollment Request, Co-enrolled in Advanced Journalism: News Media or Yearbook Production*

Independent Study in Journalism is an opportunity for advanced students in yearbook, newspaper and photojournalism. These students serve as editors or lab assistants. Internships provide hands-on, in-depth learning experiences for individuals who are considering careers in the fields of communications.

Reading Electives**ESL Reading I-III****Credit: 1****PEIMS #03270700****PEIMS #03270800****PEIMS #03270900****Grade: 9-12****Course 1591****Course 1592****Course 1593***Prerequisite(s): Current Emergent Bilingual Student*

ESL Reading provides instruction in word study, vocabulary, fluency and comprehension strategies that encompasses reading across all content areas to ensure students have an opportunity to read with competence, confidence and understanding.

English Language Development and Acquisition (ELDA) I-II**Credit: 1****PEIMS #03200800****PEIMS #03200810****Grade: 9-12****Course 1589****Course 1590***Prerequisite(s): Language Proficiency Testing and LPAC Recommendation**Corequisite: English for Speakers of Other Languages I or II*

ELDA is designed to provide instructional opportunities for secondary students with little or no English proficiency. This course enables students to become increasingly more proficient in English in all four language domains. It addresses cognitive, linguistic, and affective needs. It will validate a student's native language and culture as a valuable resource and as a foundation to attain the English language. It will develop social language, survival vocabulary, and the basic building blocks of literacy for newly arrived and preliterate students.

Reading Improvement I-III**Credit: 1****PEIMS #03270700****PEIMS #03270800****PEIMS #03270900****Grade: 9-12****Course 1051****Course 1052****Course 1053***Prerequisite(s): Committee Determination*

Reading Improvement is based on best practices for teaching reading to secondary level students, this reading course is modified to complement the learning requirement of students whose difficulty in reading significantly impacts their acquisition of knowledge and skills. Students may read orally and/or silently to develop accuracy, fluency, and adequate reading rate to build comprehension skills. Students receive instruction in word recognition, comprehension strategies, vocabulary, and are given opportunities to read with competence and confidence. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students.

Writing Electives

Creative and Imaginative Writing

Credit: ½ - 1

PEIMS #03221200

Grade: 10-12

Course 1551 Semester, 1552

Prerequisite(s): English I

A class for serious, committed writers, Creative Writing explores forms of creative writing including short story, poetry and play, and the specific elements of each, including character, plot, dialogue, language and theme. Students are expected to do outside reading, and participate in the writing process continually, from pre-writing to finished projects. All works produced are eligible for publication in the school literary magazine, and students are encouraged to submit their works for publication in other media as well.

Writing Improvement I-III

Credit: 1

PEIMS #03221100

Grade: 9-12

Course 1055

PEIMS #03221200

Course 1056

PEIMS #03221300

Course 1057

Prerequisite(s): Committee Determination

Writing Improvement offers students instruction in the components of the writing process and precursor skills. The course is designed to support students in their content-area writing, as well as integrate the use of writing skills into their daily lives.

MATHEMATICS

The State Board of Education (SBOE) has approved courses to substitute for math credits. Leander ISD offers the following approved math substitution courses: Computer Science A AP (CTE), Computer Science IB HL (CTE), Digital Electronics (CTE) and Accounting II (CTE). Please see your school counselor for additional information concerning substitution options/requirements.

Algebra I

Algebra I

Credit: 1

PEIMS #03100500

Grade: 9-12

Course 2110

Prerequisite(s): Grade 8 Mathematics or its equivalent

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. Students may be required to take Algebra Lab concurrently.

Algebra I Advanced

Course 2110ADV

Algebraic Reasoning

Algebraic Reasoning

Credit: 1

PEIMS #03102540

Grade: 10-11

Course 2317

Prerequisite(s): Algebra I

In Algebraic Reasoning, students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to career and college readiness.

Geometry

Geometry

Credit: 1

PEIMS #03100700

Grade: 9-12

Course 2210

Prerequisite(s): Algebra I

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 Advanced

Course 2210ADV

Math Models with Applications

Math Models with Applications

Credit: 1

PEIMS #03102400

Prerequisite(s): Algebra I

Mathematical Models with Applications is designed to build on the knowledge and skills for mathematics in grades 6-8 and Algebra I. Students learn to apply mathematics through experiences in personal finance, science, engineering, fine arts and social sciences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions. Students will select from tools such as physical objects; manipulatives; technology, including graphing calculators, data collection devices, and computers; and paper and pencil; and from methods such as algebraic techniques, geometric reasoning, patterns and mental math to solve problems.

Grade: 11-12

Course 2310

Algebra II

Algebra II

Credit: 1

PEIMS #03100600

Prerequisite(s): Algebra I

Recommended Prerequisite(s): Geometry

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.

Grade: 10-12

Course 2212

Algebra II Advanced

Course #2212ADV

Precalculus

Precalculus

Credit: 1

PEIMS #03101100

Prerequisite(s): Algebra I, Geometry, and Algebra II

Precalculus is the preparation for calculus. The course is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with Algebra and Trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

Grade: 11-12

Course 2312

Precalculus Advanced

Course 2312ADV

Precalculus AP

Credit: 1

PEIMS: A3100100

Prerequisite(s): Geometry & Algebra II

Precalculus is the preparation for calculus. The course is designed to help students develop symbolic manipulation skills focusing on polynomial and rational functions, exponential and logarithmic functions, trigonometric and polar functions, and functions involving parameters, vectors, and matrices as they explore dynamic real-world data through multiple representations. The course will follow the Precalculus Advanced Placement requirements outlined in the College Board's "Course and Exam Description" for AP Precalculus. This course prepares students to take the AP Exam.

Grade: 10-12

Course 2320

Additional Mathematics Course Options

Statistics

Credit: 1

PEIMS #03102530

Prerequisite(s): Algebra I

Recommended Prerequisite(s): Geometry and Algebra II

In Statistics, students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis.

Grade: 11-12

Course 2433

Math Independent Study - College Prep

Credit: 1

PEIMS #03102500

Recommended Prerequisite(s): Algebra II, students seeking TSIA completion

College Preparatory Mathematics is designed to prepare students for entry level college mathematics. The course will focus on the mathematics topics of: elementary algebra; intermediate algebra and functions; geometry and measurement; data analysis, statistics, and

Grade: 12

Course 2499CPM

probability. As part of the Texas Success Initiative (TSI), Texas law requires students entering college to meet readiness standards in reading and mathematics. Various assessments determine if a student needs reinforcement of specific skills. This course will help students to become college ready in mathematics. Note: This is not an open enrollment course. Students will be placed in College Preparatory Math upon completion of Algebra II and when they have not met TSIA graduation requirements.

Statistics AP

Credit: 1

Grade: 11-12

PEIMS #A3100200

Course 2432

Recommended Prerequisite(s): Geometry and Algebra II

Statistics AP topics include real world applications used daily in most businesses and required by most business and scientific programs. The course will follow the AP Statistics requirements outlined in the College Board's "Course and Exam Description" for AP Statistics. This course prepares students to take the AP Exam.

Calculus AB AP

Credit: 1

Grade: 11-12

PEIMS #A3100101

Course 2430

Prerequisite(s): Precalculus

Calculus AB AP will develop the student's understanding of the concepts of calculus including functions, graphs, limits, derivatives, integrals, and their applications. The course will follow the Calculus AB Advanced Placement requirements outlined in the College Board's "Course and Exam Description" for AP Calculus AB and AP Calculus BC. This course prepares students to take the AP Exam. Calculus AB AP and Calculus BC AP cannot be taken concurrently.

Calculus BC AP

Credit: 1

Grade: 12

PEIMS #A3100102

Course 2431

Prerequisite(s): Precalculus

Calculus BC AP will develop the student's understanding of the concepts of calculus including functions, graphs, limits, derivatives, integrals and their applications, and polynomial approximations and series. The course will follow the Calculus BC Advanced Placement requirements outlined in the College Board's "Course and Exam Description" for AP Calculus AB and AP Calculus BC. This course prepares students to take the AP Exam. Calculus AB AP and Calculus BC AP cannot be taken concurrently.

Multivariable Calculus

Credit: 1

Grade: 11-12

PEIMS #N1110018

Course 2581

Highly Recommended: AP Statistics

Prerequisite(s): AP Calculus BC

Multivariable Calculus takes the concepts learned in the single variable calculus course and extends them to multiple dimensions. Topics discussed include: vector algebra; applications of the dot and cross product; equations of lines, planes, and surfaces in space; converting between rectangular, cylindrical, and spherical coordinates; continuity, differentiation, and integration of vector valued functions; application of vector-valued functions such as curvature, arc length, speed, velocity, and acceleration; continuity, limits, and derivatives of multivariable functions, tangent planes and normal lines of surfaces; applying double and triple integrals to multivariable functions to find area, volume, surface area, mass, center of mass, and moments of inertia; vector fields; finding curl and divergence of vector fields; line integrals; conservative vector fields, conservation of energy; Green's Theorem; parametric surfaces, including normal vectors, tangent planes, and areas; orientation of a surface; Divergence Theorem; and Stokes's Theorem. This course is designed as an additional math course for those students who have successfully completed AP Calculus BC and have an interest in continuing their mathematical studies while in high school.

- *This is a locally developed course and does not meet state credit requirements for graduation. This course is not used to determine grade point average (GPA).*

LHS & VHS

Mathematics: Analysis and Approaches IB SL

Credit: 1

Grade: 11-12

PEIMS #I3100500

Course 2442

Recommended Prerequisite(s): Algebra II

Mathematics: Analysis and Approaches IB HL

Credit: 1

Grade: 12

PEIMS #I3100600

Course 2443HL1/2443HL2

Recommended Prerequisite(s): Precalculus

Analysis and Approaches IB is designed for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. Students will explore real and abstract applications, sometimes with technology, and will enjoy the thrill of mathematical problem solving and generalization. This course emphasizes algebraic methods. This course prepares students to take the IB Exam.

LHS

Mathematics: Application and Interpretations IB SL

Credit: 1

PEIMS #I3100700

Prerequisite(s): Algebra II

Mathematics: Application and Interpretations IB HL

Credit: 1

PEIMS #I3100800

Prerequisite(s): Precalculus

Application and Interpretations IB is designed for students who are interested in developing their mathematics for describing our world, modeling and solving practical problems using the power of technology. Students who take this course will be those who enjoy mathematics best when seen in a practical context. This course emphasizes modeling and statistics. This course prepares students to take the IB Exam.

Grade: 11-12

Course 2444

Grade: 12

Course 2445HL1/2445HL2

SCIENCE

By the end of Grade 12, students should possess a solid understanding of core scientific concepts and practices, coupled with a comfortable proficiency in hands-on learning. This involves mastering fundamental principles, refining problem-solving skills through practical application, and effectively communicating scientific ideas. Through hands-on practice, students can better understand and apply scientific concepts in real-world scenarios, equipping them to confidently tackle future challenges. Scientific literacy empowers students to contribute meaningfully to society and address challenges of the future. Each HS grade level builds upon prior knowledge, preparing students for the next stage and laying the groundwork for advanced high school courses. The new TEKS incorporate science and engineering practices, as well as recurring themes and concepts.

Science and Engineering Practices	Recurring Themes and Concepts
<ul style="list-style-type: none">• asking questions and defining problems• developing and using models• planning and carrying out investigations• analyzing and interpreting data• using math and computational thinking• constructing explanations and designing solutions• engaging in an argument from evidence, and• obtaining, evaluating and communicating information	<ul style="list-style-type: none">• patterns• cause and effect relationships• scale, proportion, and quantity in systems• systems and systems models• matter and energy• structure and function• stability and change

Biology

Biology

Credit: 1

PEIMS #03010200

Grade: 9-11

Course 3210

In Biology, students conduct laboratory and field investigations, use science and engineering practices, learn to recognize recurring themes and concepts, and make informed decisions using critical thinking and scientific problem solving. The four Biology units are each centered around a relevant societal challenge. Students investigate an anchoring phenomenon while developing the knowledge, abilities, and inclinations to take positive action on behalf of themselves, their communities, and the natural world. Students study a variety of topics that include infectious diseases, hereditary-genetic disease, matter and energy, and biodiversity and humans.

Biology Advanced

Course 3210ADV

Biology AP

Credit: 1

PEIMS #A3010200

Grade: 11-12

Course 3230

Prerequisite(s): Biology and Chemistry

Biology AP is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. Students develop inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and justifying arguments using evidence. This course prepares students to take the AP Exam.

LHS & VHS

Biology IB SL

Credit: 1

PEIMS #I3010201

Grade: 11-12

Course 3240

Prerequisite(s): Biology and Chemistry

Biology IB I is designed to be the equivalent of a first-year college biology course. The goal is to enable the student to develop a solid understanding of the principal concepts in Biology such as molecules and cells; genetics, reproduction and change; and organisms and populations; and to provide the student with the analytical skills necessary to deal critically with the rapid changing science of biology. This course prepares students to take the IB Exam.

LHS & VHS

Biology IB HL

Credit: 1

PEIMS #13010202

Grade: 11 and 12

Course 3242HL1/3342HL2

Prerequisite(s): Biology IB I

Biology IB II is a continuation of Biology IB I involving a more in-depth study of the topics of human anatomy, evolution, ecology, plants and animals. Laboratory exercises will be inquiry-based to compliment the topics studied. This course prepares students to take the IB Exam.

Integrated Physics and Chemistry

Integrated Physics and Chemistry (IPC)

Credit: 1

PEIMS #03060201

Grade: 9-12

Course 3106

Recommended for students in grades 9 or 10

In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use science and engineering practices, learn to recognize recurring themes and concepts, and make informed decisions using critical thinking and scientific problem solving. This course uses a project-based inquiry approach to integrate engineering design challenges with the disciplines of physics and chemistry in the following units: thrills and chills, electricity for everyone, fun with the periodic table, cool chemistry show, and earth's natural resources.

- *IPC must be taken before the completion of Chemistry and/or Physics.*

Chemistry

Chemistry

Credit: 1

PEIMS #0304000

Grade: 10-12

Course 3310

Prerequisite(s): One credit of high school science and Algebra I

Recommended Prerequisite(s): Completion of or concurrent enrollment in a second year of mathematics

In Chemistry, students conduct laboratory and field investigations, use science and engineering practices, learn to recognize recurring themes and concepts, and make informed decisions using critical thinking and scientific problem solving. The program implements investigations that organize learning around phenomena, giving students an authentic, real-world experience. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics that include matter, energy and change, atomic structure, the Periodic Table, chemical bonding, gasses, stoichiometry, acid-base chemistry, and nuclear processes.

Chemistry Advanced

Course 3310ADV

Chemistry AP

Credit: 1

PEIMS #A3040000

Grade: 11-12

Course 3330

Prerequisite(s): Algebra II and Chemistry

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. The program implements a learning model that organizes learning around phenomena giving students an authentic, real-world experience. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore the following topics: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Students develop inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, creating models and representations, applying mathematical routines, developing a scientific argument, and connecting concepts in and across domains. This course prepares students to take the AP Exam.

LHS & VHS

Chemistry IB SL

Credit: 1

PEIMS #13040002

Grade: 11-12

Course 3244

Prerequisite(s): Biology and Chemistry, credit or concurrent enrollment in Algebra II

Chemistry IB is designed to be a laboratory preparatory course for a first year, general chemistry course (Chemistry II IB) at the college level. Basic concepts of chemistry are covered using a high level of thinking and problem-solving skills. An emphasis is placed on chemical calculations and the mathematical formulation of principles. Chemistry IB will involve a more in-depth study of topics, including higher-level thinking skills in both laboratory exercises and assessment. The student will be expected to conduct research involving chemistry topics throughout the year. This course prepares students to take the IB Exam.

LHS & VHS

Chemistry IB HL

Credit: 1

PEIMS #13040003

Grade: 11 and 12

Course 3340HL1/3340HL2

Prerequisite(s): Algebra II and Chemistry

Chemistry IB II is designed to be the equivalent to a college chemistry course concentrating on the concepts of molecular structure and bonding, chemical equations, and quantitative analysis which includes stoichiometry, chemical equilibria, redox and electrochemistry. In addition to these topics, organic chemistry and environmental chemistry will be discussed. This course prepares students to take the IB Exam.

Physics

Physics

Credit: 1

PEIMS #03050000

Grade: 9-12

Course 3410

Recommended prerequisite or corequisite: Algebra I

In Physics, students conduct laboratory and field investigations, use science and engineering practices, learn to recognize recurring themes and concepts, and make informed decisions using critical thinking and scientific problem solving. The program implements investigations that organize learning around phenomena, giving students an authentic, real-world experience. Students cultivate their understanding of physics through inquiry-based investigations, as they explore topics that include motion, forces, work and energy, collisions, electricity and circuits, waves, sound and light, and electromagnetic radiation.

Physics 1 AP

Credit: 1

PEIMS #A3050003

Grade: 10-12

Course 3433

Prerequisite(s): Geometry, credit or concurrent enrollment in Algebra II

Physics 1 AP is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound. Students develop a deep understanding of the foundational principles that shape classical mechanics. By confronting complex physical situations or scenarios, the course is designed to enable students to develop the ability to reason about physical phenomena using important science practices, such as explaining relationships, applying and justifying the use of mathematical routines, designing experiments, analyzing data, and making connections across multiple topics within the course. This course prepares students to take the AP Exam.

Physics 2 AP

Credit: 1

PEIMS #A3050004

Grade: 11-12

Course 3434

Prerequisite(s): Physics or Physics 1 AP, credit or concurrent enrollment in Precalculus or equivalent

Physics 2 AP is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: fluids; thermodynamics; electrical force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics. Students develop a deep understanding of the foundational principles that shape classical mechanics. By confronting complex physical situations or scenarios, the course is designed to enable students to develop the ability to reason about physical phenomena using important science practices, such as explaining relationships, applying and justifying the use of mathematical routines, designing experiments, analyzing data, and making connections across multiple topics within the course. This course prepares students to take the AP Exam.

Physics C: Electricity, Magnetism, and Mechanics AP

Credit: 1

PEIMS #A3050006

Grade: 11-12

Course 3430

Prerequisite(s): Credit or concurrent enrollment in Calculus

Physics C is a one-year calculus-based college-level physics course, especially appropriate for students planning to specialize or major in one of the physical sciences or engineering. Electricity and magnetism content explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course. Mechanics covers kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation. Students develop a deep understanding of the foundational principles that shape classical mechanics. By confronting complex physical situations or scenarios, the course is designed to enable students to develop the ability to reason about physical phenomena using important science practices, such as creating and analyzing representations of physical scenarios, designing experiments, analyzing data, and using mathematics to model and to solve problems. This course prepares students to take two AP Exams: Electricity and Magnetism and Mechanics.

LHS & VHS

Physics IB SL

Credit: 1

PEIMS #I3050002

Grade: 11-12

Course 3440SL1/3440SL2

Prerequisite(s): Three years of high school science including Biology and Chemistry or Physics. Credit or concurrent enrollment in Algebra II.

Physics IB SL includes laboratory investigations designed to introduce students to the practical application of physics. Basic physics concepts such as mechanics, dynamics, kinematics, heat, waves and electricity will be covered, including the modern physics of nuclear phenomena and astronomy. Physics IB will involve a more in-depth study of topics including higher-level thinking skills in both laboratory exercises and assessment. This course requires students to complete a laboratory notebook, which will be used as one of the measures of their performance in the course. This course prepares students to take the IB Exam.

LHS & VHS
Physics IB HL

Credit: 1

PEIMS #I3050003

Grade: 11-12

Course 3441HL1/3442HL2

Prerequisite(s): Three years of high school science including Biology and Chemistry or Physics. Credit or concurrent enrollment in Precalculus.

Physics IB HL emphasizes practical applications and higher-level thinking skills. Topics include: motions in fields, thermal physics (thermodynamics), wave phenomena, electromagnetic induction, quantum physics and nuclear physics, digital technology and options such as astrophysics and particle physics. This course prepares students to take the IB Exam.

Additional Science Course Options

The following science elective courses are state approved; however, not all are accepted by colleges/universities for admission purposes. Students should contact the prospective college/university for specific guidelines on admission requirements. In addition, The State Board of Education (SBOE) has approved courses to substitute for science credits. Leander ISD offers the following approved science substitution courses: Advanced Animal Science (CTE), Engineering Science (CTE), Anatomy and Physiology (CTE), Medical Microbiology (CTE), Forensic Science (CTE) and Scientific Research and Development (CTE). Please see your school counselor for additional information concerning substitution options/requirements.

Astronomy

Credit: 1

PEIMS #03060100

Grade: 11-12

Course 3564

Prerequisite(s): Algebra I and Integrated Physics and Chemistry or Chemistry

In Astronomy, students conduct laboratory and field investigations, use science and engineering practices, learn to recognize recurring themes and concepts, and make informed decisions using critical thinking and scientific problem solving. Students delve into patterns, processes, and relationships, conducting hands-on investigations to build a conceptual understanding of our cosmic position. Guided by two core questions—What are we? How do we know?—students navigate the latest discoveries while exploring the dynamic interplay of evidence and hypothesis. Students study a variety of topics, including the sky, stars, galaxies, the universe, the solar system, and life.

Earth Systems Science

Credit: 1

PEIMS #03060150

Grade: 11-12

Course 3569

Prerequisite(s): Algebra I and two credits of high school science.

In Earth Systems Science, students conduct laboratory and field investigations, use science and engineering practices, learn to recognize recurring themes and concepts, and make informed decisions using critical thinking and scientific problem solving. This course uses a project-based inquiry approach to integrate engineering design challenges with local and regional issues and concerns to stimulate problem-solving activities in the following topics: plate tectonics, minerals, rocks, and structures, surface process, winds, oceans, weather, and climate, global climate change, earth's natural resources, earth system evolution, and some basic astronomy.

Environmental Science AP

Credit: 1

PEIMS #A3020000

Grade: 11-12

Course 3556

Prerequisite(s): Biology, and Chemistry or Physics and credit in Algebra I

The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. Students analyze environmental concepts and processes to achieve understanding in order to propose and justify solutions to environmental problems. The course teaches students how to apply science to the solutions of important social problems. It also provides opportunities to practice applying scientific methods to practical, real-life problems. This course prepares students to take the AP Exam.

Environmental Systems

Credit: 1

PEIMS #03020000

Grade: 10-12

Course 3558

Prerequisite(s): one unit of high school biology

Recommended Prerequisite(s): Integrated Physics and Chemistry, Chemistry, or concurrent enrollment in either course

In Environmental Systems, students conduct laboratory and field investigations, use science and engineering practices, learn to recognize recurring themes and concepts, and make informed decisions using critical thinking and scientific problem solving. Real world case studies inspire students to find solutions to current environmental challenges, and help students clearly understand how nature works, how we engage with nature, and how humanity can sustain its relationship with Earth in the long-term. Students study a variety of topics that include humans and sustainability, ecology and sustainability, sustaining biodiversity, sustaining resources and environmental quality, and sustaining human societies.

Specialized Topics in Science I-III

Credit: 1

PEIMS #03060300

PEIMS #03060310

PEIMS #03060320

Grade: 9-12

Course 3570

Course 3571

Course 3572

Recommended Prerequisite(s): credit or concurrent enrollment in first year of high school science

Specialized Topics in Science is a customizable science elective offered by the campus, aimed at diversifying the school's science curriculum offerings. In Specialized Topics in Science, students can delve into their scientific interests, engaging in hands-on exploration of content that extends beyond what is covered in other Texas Essential Knowledge and Skills-based science courses. Founded in Texas' new science and engineering practices, students expand their understanding and curiosity within a specific discipline of science chosen by the campus. The specialized topic may stem from local or global phenomena, student interests, or teacher expertise. The focus of study may vary, including theoretical science, citizen science, scientific investigations, science careers, specialized scientific disciplines, innovation design, ethics in science, or the history of science.

- Students may repeat this course with different course content for up to three credits.

SOCIAL STUDIES

Geography

World Geography

Credit: 1

PEIMS #03320100

Grade: 9-12

Course 4110

World Geography Studies includes physical, political, cultural and historical perspectives of the world, examining the physical and human aspects of our world and people and their cultures. Students will gather and analyze information that will help them understand our complex world.

Human Geography AP

Credit: 1

PEIMS #A3360100

Grade: 9-12

Course 4163

Human Geography Advanced Placement introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. This college level, cutting edge course is one of College Board's fastest growing courses and includes applications of new technology, increased rigor, and another option for advanced course work. This course prepares students to take the AP Exam

- Students who have received credit for World Geography are not eligible to take this course.

World History

World History

Credit: 1

PEIMS #03340400

Grade: 10-12

Course 4210

World History is the only course offering students an overview of the entire history of humankind. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world.

World History AP

Credit: 1

PEIMS #A3370100

Grade: 10-12

Course 4263

World History Advanced Placement requires students to develop mastery over the assigned content while developing the ability to practice the skills of a historian. Students will learn to develop their critical thinking skills by analyzing and interpreting both primary documents and writings by respected historians. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The focus is on the last 1000 years of the global experience. This course may be used to substitute for World History. This course prepares students to take the AP Exam.

U.S. History

U.S. History

Credit: 1

PEIMS #03340100

Grade: 11-12

Course 4310

U.S. History traces the emergence and growth of the United States following Reconstruction to the present. Crises, wars, victories, defeats, and peace are studied, using the examples of the World Wars, Korea, Cuba, Vietnam and the Persian Gulf to understand how people and events of history have shaped the present and will continue to affect the future. Domestic issues are also emphasized.

U.S. History AP**Credit: 1****PEIMS #A3340100****Grade: 11-12****Course 4330**

U.S. History AP is equivalent to college-level survey American History. The topics in this study follow the chronology of U.S. History from colonization to the present. Additional focus is placed on document analysis and timed analytical writing. This course prepares students to take the AP Exam.

*LHS & VHS***History of the Americas IB HL1****Credit: 1****PEIMS #I3301300****Grade: 11-12****Course 4340HL1**

History of the Americas IB HL1 is equivalent to college-level survey American History. The topics considered in this study follow the chronology of U.S. History from colonization to the present. Additional focus is placed on document analysis and timed analytical writing. This course prepares students to take the IB Exam.

*LHS & VHS***History of the Americas IB HL2****Credit: 1****PEIMS #I3301300****Grade: 12****Course 4340HL2***Recommended Prerequisite(s): History of Americas IB HL1*

History of the Americas IB HL2 is a more focused study of the roles of the American nations (North, Central and South America) in the twentieth century. Special emphasis will be placed upon broad topics including war, nationalism and independence movements, rise and rule of single-party states, establishment and work of international organizations, the Cold War, and the state and its relationship with minorities. This course prepares students to take the IB Exam.

- *Students must take History of Americas HL1 and HL2 to satisfy the graduation credit for US History and Government.*

Special Topics in Social Studies: U.S. History I - ACC Dual Credit (HIST 1301)**Credit: .5****PEIMS #03380002****Grade: 12****Course 4485DC***Prerequisite(s): ACC Dual Credit Enrollment Process*

U.S. History I (HIST 1301) is taught by an adjunct ACC professor and is scheduled during the regular school day or evenings. Students who complete HIST 1301 will receive high school Special Topics in Social Studies credit. Students must make at least a 70 to receive high school credit.

- *This course does not satisfy the U.S. History requirement for graduation.*

U.S. History II - ACC Dual Credit (HIST 1302)**Credit: 1****PEIMS #03340100****Grade: 11-12****Course 4310DC***Prerequisite(s): ACC Dual Credit Enrollment Process*

U.S. History II (HIST 1302) is taught by an adjunct ACC professor and is scheduled during the regular school day or evenings. Students who complete HIST 1302 will receive high school U.S. History credit. Students must make at least a 70 to receive high school credit.

Government

U.S. Government**Credit: ½****PEIMS #03330100****Grade: 12****Course 4410**

The goal of Government is for the students to understand world issues, to identify the rights and obligations of citizens and to become active participants in the democratic process.

U.S. Government AP**Credit: ½****PEIMS #A3330100****Grade: 12****Course 4430**

U.S. Government AP is the equivalent to college-level survey U.S. Government. This course prepares students to take the AP Exam.

U.S. Government - ACC Dual Credit (GOVT 2305)**Credit: ½****PEIMS #03330100****Grade: 11-12****Course 4410DC***Prerequisite(s): ACC Dual Credit Enrollment Process*

U.S. Government (GOVT 2305) is taught by an adjunct ACC professor and is scheduled during the regular school day or evenings. 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.

Economics

Economics with Free Enterprise System and its Benefits

Credit: ½

PEIMS #03310300

Grade: 12

Course 4412

Economics and the Free Enterprise System focuses on the impact of economics on the lives of people. Economics emphasizes on the basic principles of production, consumption and distribution of goods and services in the United States and a comparison with those of other countries.

Macroeconomics AP

Credit: ½

PEIMS #A3310200

Grade: 12

Course 4432

Macroeconomics AP is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts and data to analyze, describe and explain economic concepts. Microeconomics AP is the equivalent to college-level survey economics. the equivalent to college-level survey economics. This course prepares students to take the AP Exam.

Microeconomics AP

Credit: ½

PEIMS #A3310100

Grade: 12

Course 4433

Microeconomics AP is an introductory college-level course that focuses on an understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. This course prepares students to take the AP Exam.

Economics with Free Enterprise System and its Benefits - ACC Dual Credit (ECON 2301)

Credit: ½

PEIMS #03310300

Grade: 11-12

Course 4412DC

Prerequisite(s): ACC Dual Credit Enrollment Process

Principles of Macroeconomics (ECON 2301) is taught by an adjunct ACC professor and is scheduled during the regular school day or evenings. Students who complete ECON 2301 will receive high school economics credit. Students must make at least a 70 to receive high school credit.

Additional Social Studies Course Options

European History AP

Credit: 1

PEIMS #A3340200

Grade: 10-12

Course 4332

European History Advanced Placement requires students to develop mastery over the assigned content while developing the ability to practice the skills of a historian. Students will learn to develop their critical thinking skills by analyzing and interpreting both primary documents and writings by respected historians. The content will include the artistic and intellectual, religious and political developments of the early 16th century and includes events up to the 1990s. This course may not be used to substitute for World History. This course prepares students to take the AP Exam.

Influence of the Old Testament Bible on American Civilization

Credit: ½

PEIMS #03380052

Grade: 11-12

Course 4555

Influence of the Old Testament (OT) Bible on American Civilization will examine OT Bible stories and teachings that have influenced the development of the United States. In the course, students will reflect on their knowledge of American civilization as they read and study from the course text and from their own translation of the OT Bible. Students will learn the language, literary forms, plot lines, characters, and contents of the Bible so they have a better understanding of its influences on literature, art and culture. Focus will be placed on analytical writing.

Influence of the New Testament Bible on American Civilization

Credit: ½

PEIMS #03380062

Grade: 11-12

Course 4556

Influence of the New Testament (NT) Bible on American Civilization will examine New Testament Bible letters and teachings that have influenced the development of the United States. In the course, students will reflect on their knowledge of American civilization as they read and study from the course text and from their own translation of the NT Bible. Students will analyze literary forms and contents of the Bible so they have a better understanding of its influences on literature, art and culture. Focus will be placed on analytical writing. The course will be taught in an objective, academic manner with the focus on the Bible's role in American life, language, and culture. The course will neither promote nor disparage religion and will not be taught from a particular sectarian point of view. Instructional materials and lessons that are of a devotional nature will not be used.

Investigations in Psychology**Credit: ½****PEIMS #03380032****Grade: 10-12****Course 4493ADV**

Investigations in Psychology is a first semester course introducing students to the scientific method as applied in behavioral sciences including application of methodology and ethics in behavioral science research, learning theory, the processes of sensation and perception, studies in social psychology, and descriptive statistics. Students will have the opportunity to delve more deeply into areas of particular interest including the possibility of developing a research project on human behavior or mental processes.

Psychology AP**Credit: ½****PEIMS #A3350100****Grade: 10-12****Course 4492**

Recommended Prerequisite(s): Investigations in Psychology

AP Psychology is a second semester course that introduces students to the systematic and scientific study of behavior and mental processes of humans and other animals. Students learn the terminology, facts, principles, and theories of each major subfield within psychology. This course prepares students to take the AP Exam.

- *Due to potential limitations of course section seating, preference will be given to 11th and 12th graders.*

LHS & VHS

Psychology IB SL**Credit: 1****PEIMS #I3304100****Grade: 11-12****Course 4552**

Psychology IB SL is the study of our behavior and its relationship to our day-to-day experiences. Students will examine the biological, cognitive, and learning perspectives of psychology, as well as one of the following sub-topics: cultural, dysfunctional, lifespan, psychodynamic or social psychology. During the spring semester, students will learn research methods and apply their knowledge to a simple experimental study using quantitative methods. This course prepares students to take the IB Exam.

LHS & VHS

Psychology IB HL**Credit: 1****PEIMS #I3304200****Grade: 12****Course 4553HL1/4553HL2**

Recommended Prerequisite(s): Psychology IB SL

Psychology IB HL will cover the three perspectives addressed at the standard level, in addition to the humanistic perspective. Two of the sub-topics listed under the standard level will also be addressed. Students will complete an independent research project using both quantitative and qualitative methods during the spring semester. This course prepares students to take the IB Exam.

Personal Financial Literacy**Credit: ½****PEIMS #03380082****Grade: 10-12****Course 4557**

Personal Financial Literacy is designed to be an interactive and research-based course in which students will apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting and college and postsecondary education and training. The goal is to develop the skills necessary to make sound, informed financial decisions that will allow students to lead a financially secure lifestyle and understand personal financial responsibility.

Psychology**Credit: ½****PEIMS #03350100****Grade: 10-12****Course 4490**

Psychology is an on-level elective course where students study the science of behavior and mental processes. Students examine the full scope of the science of psychology such as the historical framework, methodologies, human development, motivation, emotion, sensation, perception, personality development, cognition, learning, intelligence, biological foundations, mental health and social psychology. This course is not associated with Psychology AP. This course may not be taken in conjunction with Psychology AP.

Sociology**Credit: ½****PEIMS #03370100****Grade: 10-12****Course 4491**

Sociology is an elective course which provides an introductory study in social behavior and organization of human society. This course will describe the development of the field as a social science by identifying methods and strategies of research leading to an understanding of how the individual relates to society and the ever-changing world. Students will also learn the importance and role of culture, social structure, socialization, and social change in today's society.

Special Topics in Social Studies - ACC Dual Credit (GOVT 2306)**Credit: ½****PEIMS #03380002***Prerequisite(s): ACC Dual Credit Enrollment Process*

Texas Government (GOVT 2306) is taught by an adjunct ACC professor and is scheduled during the regular school day or evenings. Students who complete GOVT 2306 will receive high school Special Topics in Social Studies credit. Students must make at least a 70 to receive high school credit.

- *This course does not satisfy the U.S. Government requirement for graduation*

Grade: 11-12**Course 4487DC****Mexican American Studies****Credit: 1****PEIMS #03380084**

Ethnic Studies: Mexican American Studies introduces students to the history and cultural contributions of Mexican Americans. Students explore history and culture from an Interdisciplinary perspective. They will have opportunities to interact with relevant film, literature, art, and other media. The course emphasizes events in the 20th and 21st centuries, but students will also engage with events prior to the 20th century. Knowledge of the past provides citizens of the 21st century with a broader context within which to address the many issues facing the United States.

Grade: 10-12**Course 4559****African American Studies****Credit: 1****PEIMS #03380085**

Ethnic Studies: African American Studies introduces students to the history and cultural contributions of African Americans. This course is designed to assist students in understanding issues and events from multiple perspectives. It develops an understanding of the historical roots of African American culture, especially as it pertains to social, economic, and political interactions within the broader context of United States history. It requires an analysis of important ideas, social and cultural values, beliefs, and traditions. Knowledge of the past provides citizens of the 21st century with a broader context within which to address the many issues facing the United States.

Grade: 10-12**Course 4560**

LANGUAGES OTHER THAN ENGLISH

World Languages

Following the American Council on the Teaching of Foreign Languages guidelines, all World Languages courses are conducted mainly in the target language. Students who plan to register for any World Language course and are already proficient in the language, may take an exam to receive credit for the language, or advance to upper levels. The student may skip levels based on the outcomes of the exam. Leander ISD offers ACTFL exams to determine proficiency in more than 100 languages. Credit is awarded based on the proficiency level of the student. To register for the exam, please see your school counselor.

The State Board of Education (SBOE) has approved specific computer sciences to substitute for World Language credits. Leander ISD offers the following approved World Languages substitution courses: Computer Science Principles AP, Computer Science I, Computer Science A AP, Computer Science III, Computer Science SL IB and Computer Science HL IB. Students must complete two courses in Computer Science to satisfy the graduation requirement. Although computer science is a state approved World Languages substitution credit, not all colleges and universities accept computer science for admission purposes. Please see your school counselor for additional information concerning substitution options/requirements.

Please see the Languages Other Than English substitution section in the front of the course catalog for more detailed information on substitutions.

American Sign Language

Note: Although American Sign Language (ASL) is a state approved World Language elective credit, not all colleges and universities accept ASL for admission purposes. Some colleges/universities do not offer ASL, which means that students must change languages if a language is required for college graduation. Interested students should contact the prospective college or university for specific admission requirements and course offerings/requirements.

American Sign Language I**Credit: 1****PEIMS #03980100**

American Sign Language (ASL) I is an introductory course of the study of the receptive and expressive aspect of signs, non-manual communication, and grammatical features of ASL in everyday situations and other meaningful contexts. The course also explores the cultural perspective of the deaf community and the interrelationship of languages.

Grade: 9-12**Course 5101****American Sign Language II****Credit: 1****PEIMS #03980200***Prerequisite(s): ASL I*

American Sign Language (ASL) II builds on the language skills acquired in ASL I. Students will develop their signing skills in various everyday situations and further explore the cultural perspective of the deaf community.

Grade: 10-12**Course 5102**

American Sign Language III

Credit: 1

PEIMS #03980300

Prerequisite(s): ASL II

American Sign Language (ASL) III provides extensive vocabulary development combined with interpreter training. Students will spend class time developing sign to voice and voice to sign interpreting skills. This class is designed to develop confidence in communicating with deaf people in a variety of situations, and to prepare students that may be interested in pursuing a degree in deaf related careers.

Grade: 11-12

Course 5103

American Sign Language IV

Credit: 1

PEIMS #03980400

Prerequisite(s): ASL III

American Sign Language (ASL) IV provides advanced interpreter training, independent community exploration as well as continued advancement in upper-level vocabulary and classifiers. Students will spend class time developing a portfolio of a variety of interpreting scenarios (doctors visit, VRS call, etc.). This class is designed to develop confidence in interpreting as well as communicating effectively with deaf people in a variety of situations and to further prepare students interested in enrolling in a bachelor's degree program in interpreting.

Grade: 12

Course 5104

Chinese

Chinese I

Credit: 1

PEIMS #03490100

Chinese I is an introduction to the Mandarin Chinese language and culture. Everyday situations, greetings, school, family, travel, food, interests, pastimes, careers, time and much more will be introduced. Listening, Speaking, Reading and Writing using Chinese characters are all part of this language course. Pinyin, the pronunciation system for Mandarin Chinese, is introduced in the early stages of the course. Students will learn simple characters in conjunction with pinyin, along with sentence patterns to enable them to communicate. The cultural products, practices and perspectives of the target culture are integrated into all aspects of the course.

Grade: 9-12

Course 5151

Chinese II

Credit: 1

PEIMS #03490200

Prerequisite(s): Chinese I

Chinese II begins with a review of Chinese I and continues with additional structures, functions and vocabulary to increase language proficiency. Students will utilize Chinese characters learned from Chinese 1 in reading and writing exercises. Continued development of basic conversation skills is an important part of the class and is evaluated through oral activities of learned sentence structures. The goal of Chinese II is communicative competence in authentic, real-world situations. Students in this course will develop Novice-Mid to Novice-High proficiency in speaking, listening, reading and writing on topics dealing with people, places and events they are likely to encounter in everyday life. The cultural products, practices and perspectives of the target culture are integrated into all aspects of the course.

Grade: 10-12

Course 5152

Chinese II Advanced

Course 5152ADV

Chinese III

Credit: 1

PEIMS #03490300

Prerequisite(s): Chinese II

Chinese III continues to develop student proficiency in the integrated skills of listening, speaking, reading and writing with a strong focus still placed on the three modes of communication. Extensive use of the target language by both teacher and student is a key factor at this third stage of language learning. Students study advanced grammatical concepts as appropriate and delve deeper into the analysis of the products, practices and perspectives of the Chinese culture. At the end of Level III, students should be able to perform in the language at the intermediate-low to intermediate-mid proficiency levels.

Grade: 11-12

Course 5153

Chinese III Advanced

Course 5153ADV

Chinese IV: Language and Culture AP

Credit: 1

PEIMS #A3490400

Prerequisite(s): Chinese III

Chinese IV AP prepares students to demonstrate intermediate mid- high proficiency across the full range of language skills within a cultural frame of reference. The course will develop reading proficiency of authentic texts, fiction and non-fiction, listening proficiency of formal and colloquial authentic language, and writing proficiency in descriptive, expository, and persuasive styles. This course utilizes critical thinking, reading, and writing skills. The expected outcome of this course is developing intermediate mid – intermediate high proficiency. This course prepares students to take the AP Exam.

Grade: 11-12

Course 5155

French

French I

Credit: 1

PEIMS #03410100

Grade: 9-12

Course 5201

French I introduces the basic language skills of viewing, showing, listening, speaking, reading and writing. French I stresses oral communication while learning vocabulary and basic grammar structures necessary to communicate in everyday situations. A variety of videos, student presentations, projects, and dramatizations will reinforce language skills and introduce various aspects of French-speaking culture. Elementary creative writing projects reinforce language skills and students will be expected to take an active role in all oral and written activities.

French II

Credit: 1

PEIMS #03410200

Grade: 10-12

Course 5202

Prerequisite(s): French I

French II begins with a review of French I and continues with additional structures, functions and vocabulary to increase language proficiency. Continued development of basic conversation skills is an important part of the class and is evaluated through creative oral activities. Students will begin writing paragraphs in French to prepare for the intermediate level.

French II Advanced

Course 5202ADV

French III Advanced

Credit: 1

PEIMS #03410300

Grade: 11-12

Course 5203ADV

Prerequisite(s): French II

French III Advanced continues to emphasize the communication skills established in levels I and II. Students will learn complex grammar structures and vocabulary necessary to exchange information, persuade, socialize, and express attitudes, opinions, feelings and emotions through reading, writing, listening and speaking contemporary French. The study of Francophone culture is highlighted through films, art, literature and authentic readings. The emphasis is preparation for IB and AP assessments.

French IV: Language and Culture AP

Credit: 1

PEIMS #A3410100

Grade: 12

Course 5204

Prerequisite(s): French III Advanced

French IV AP stresses oral skills, written composition, and grammar while emphasizing the use of French for active communication. Students will develop the following skills: expression of ideas orally with accuracy and fluency, acquisition of vocabulary and a grasp of structure to allow the easy, accurate reading of a variety of genres and registers. This course prepares students to take the AP Exam.

LHS & VHS

French IV IB SL & HL

Credit: 1

PEIMS #13410400

PEIMS #13410500

Grade: 12

Course 5240SL1/5240SL2

Course 5242HL1/5242HL2

Prerequisite(s): French III Advanced

French IB is designed to prepare students for success in the IB French Exam. Areas of concentration are based on IB core and option subjects. Reading and writing authentic contemporary French, using IB text types, is a primary objective. Students will develop fluency in individual and interactive speaking skills. They will use individual and group inquiry to examine global issues, and to support continued language acquisition. The five components of the International Baccalaureate Language B Exam in French are administered over the course of the academic year. This course prepares students to take the IB Exam

French V Advanced

Credit: 1

PEIMS #03410500

Grade: 12

Course 5205ADV

Prerequisite(s): French IV

French V Advanced is designed for students who wish to continue their study of French beyond the fourth year. Level V students will read in the target language as well as study advanced grammatical concepts and the culture and civilization of the speakers of the target language.

Spanish

Spanish I

Credit: 1

PEIMS #03440100

Grade: 9-12

Course 5501

Spanish I introduces the basic language skills of showing, viewing, listening, reading, speaking and writing in Spanish. Students will learn vocabulary and grammatical structures necessary to communicate in everyday situations. A variety of videos, student presentations, projects, and dramatizations will reinforce language skills and introduce various aspects of Hispanic culture. Students are expected to take an active role in all oral activities to enhance proper pronunciation.

Spanish II**Credit: 1****PEIMS #03440200****Grade: 9-12****Course 5502***Prerequisite(s): Spanish I*

Spanish II renews the basic structures, functions and vocabulary learned in Spanish I and continues with advanced structures and vocabulary to increase language proficiency. Oral and written communication skills are practiced and evaluated through a variety of activities including dramatizations. Emphasis on Hispanic culture continues through videos and readings.

Spanish II Advanced**Course 5502ADV****Spanish III****Credit: 1****PEIMS #03440300****Grade: 10-12****Course 5503***Prerequisite(s): Spanish II*

Spanish III continues to emphasize the communication skills established in levels I and II to increase proficiency. Students will learn advanced structures and vocabulary necessary to interact socially, communicate ideas, feelings and attitudes, and to provide and request information. The study of Hispanic culture will be highlighted through videos, art, literature and authentic readings.

Spanish III Advanced**Course 5503ADV****Spanish IV: Language and Culture AP****Credit: 1****PEIMS #A3440100****Grade: 11-12****Course 5504***Prerequisite(s): Spanish III or through placement*

Spanish IV AP Language and Culture course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The course strives not to overemphasize grammatical accuracy at the expense of communication and engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. This course prepares students to take the AP Exam.

*LHS & VHS***Spanish IV IB SL****Credit: 1****PEIMS #I3440400****Grade: 11-12****Course 5540SL1/5540SL2***Prerequisite(s): Spanish III*

Spanish IV IB stresses oral skills, composition and grammar while emphasizing the use of Spanish for active communication. The students will develop the following skills: comprehension of a variety of registers, acquisition of vocabulary and structure to allow the easy, accurate reading of newspaper and magazine articles as well as modern Hispanic literature, composition of expository passages, expression of ideas orally with accuracy and fluency. This course prepares students to take the IB Exam.

Spanish V: Literature and Culture AP**Credit: 1****PEIMS #A3440200****Grade: 12****Course 5505***Prerequisite(s): Spanish IV AP*

Spanish V AP is a survey of Hispanic Literature. This course stresses oral skills, composition, and grammar while emphasizing the use of Spanish for active communication. The students will develop the following skills: comprehension of formal and informal spoken and written Spanish, acquisition of vocabulary and a deeper grasp of the structure to allow the student to analyze literary works. Spanish V is an introduction of Hispanic literature in all genres and epochs. This course prepares students to take the AP Exam.

*LHS & VHS***Spanish V IB HL****Credit: 1****PEIMS #I3440500****Grade: 12****Course 5542HL1/5542HL2***Prerequisite(s): Spanish IV IB*

Spanish V IB is a survey of Hispanic Literature. This course stresses oral skills, composition and grammar while emphasizing the use of Spanish for active communication. The students will develop the following skills: comprehension of formal and informal spoken and written Spanish, acquisition of vocabulary and a deeper grasp of the structure to allow the student to analyze literary works. Spanish V is an introduction of Hispanic literature in all genres and epochs. This course prepares students to take the IB Exam.

Advanced Language for Career Applications

Credit: 1

PEIMS #11403700

Prerequisite(s): Spanish III Advanced

Recommended Prerequisite(s): Spanish IV: Language and Culture AP

Students explore different approaches to translation and develop an understanding of the links between theory and practice. With a focus on recent research, students develop an awareness of the wider cultural, ethical and professional contexts of translation. Students will acquire a solid grounding in a range of ideas within translation studies (e.g. linguistic and functionalist approaches, translation as norm-governed behavior, cultural and sociological turns, gender and postcolonial theories, translation technologies) and apply this to a range of translation activities. During the course students will meet professional translators to gain insight, advice and receive feedback on student products. The course is in Spanish. Student translations will be primarily English/Spanish, Spanish/English.

Grade: 9-12

Course 5508

Seminar in Languages other than English, Advanced Spanish

Credit: 1

PEIMS #03440910

Prerequisite(s): Spanish III Advanced

Recommended Prerequisite(s): Spanish IV: Language and Culture AP

The student enrolled in a seminar course in a modern language will focus on Hispanic Literature and authors. The student will speak, write, read, and listen, as appropriate, in Spanish for a variety of audiences and purposes. The student is expected to plan, draft, and complete written compositions as well as oral presentations on a regular basis and carefully examine his or her papers and presentations for clarity, engaging language, and the correct use of the conventions and mechanics of the Spanish language as applicable. Students will compile a portfolio in Spanish as a product of their research on a particular author, genre or topic.

Grade: 9-12

Course 5509

FINE ARTS

The following courses meet the state fine arts graduation requirement. In accordance with The State Board of Education (SBOE) rules Leander ISD offers the following approved fine arts substitution course: Floral Design (CTE). There may be costs associated with taking any fine arts course.

Art

Art I

Credit: 1

PEIMS #03500100

Students will work with a variety of drawing, painting and sculpting media while developing the elements and principles of art.

Art I: Studio

Prerequisite(s): Previous art instruction and portfolio review

Grade: 9-12

Course 6101

Course 6102

Art I, Art Appreciation

Credit: 1

PEIMS #03500110

This course is a general introduction to the visual arts designed to create an appreciation of the vocabulary, media, techniques, and purposes of the creative process. Students will critically interpret and evaluate works of art within formal, cultural and historical contexts.

Grade: 9-12

Course 6103

Art II

Credit: 1

PEIMS #03500200

Prerequisite(s): Art I

Art II: Alternative Media & Processes students will work as a collaborative group to direct their own large-scale art projects. These projects will be created using alternative media and processes covered in this course. This may include such processes as fiber art, bricolage (creating art from any materials that come to hand), jewelry making, bookbinding, performance/video art, mixed media, large-scale installations, etc. Student will become voiced in contemporary art practices through exposure to historical artists and experimentation with these alternative processes.

Grade: 10-12

Course 6120

Ceramics

Art II: Ceramics

Credit: 1

PEIMS #03500900

Prerequisite(s): Art I

Students will interpret and organize multiple solutions between natural and man-made environments. Students will become familiar with different ceramic styles and techniques by expanding on personal themes, applying design skills, and studying and analyzing artwork.

Grade: 10-12

Course 6142

Art III: Ceramics

Credit: 1

PEIMS #03501800

Grade: 11-12

Course 6143

Prerequisite(s): Art II: Ceramics

Students will become familiar with different cultural clay motif styles and apply a variety of ceramic building techniques. Students will apply design skills in creating their artwork.

Art IV: Ceramics

Credit: 1

PEIMS #03502700

Grade: 12

Course 6144

Prerequisite(s): Art III: Ceramics

Students will use problem-solving techniques to create multiple solutions through imaginative thinking to artwork that demonstrates personal intent. Students will create work singularly and/or in a series using a variety of media in their area of concentration.

Drawing

Art II: Drawing

Credit: 1

PEIMS #03500500

Grade 10-12

Course 6122

Prerequisite(s): Art I

Students will interpret and organize multiple solutions between natural and man-made environments. Students will become familiar with different drawing styles and techniques by expanding on personal themes, applying design skills, and studying and analyzing artwork.

Art III: Drawing

Credit: 1

PEIMS #03501300

Grade: 11-12

Course 6123

Prerequisite(s): Art II: Drawing

Students will become familiar with different cultural drawing styles and apply a variety of drawing techniques. Students will apply design skills in creating their artwork.

Art IV: Drawing

Credit: 1

PEIMS #03502300

Grade: 12

Course 6124

Prerequisite(s): Art III: Drawing

Students will use problem-solving techniques to create multiple solutions through imaginative thinking to artwork that demonstrates personal intent. Students will create work singularly and/or in a series using a variety of media in their area of concentration.

Painting

Art II: Painting

Credit: 1

PEIMS #03500600

Grade: 10-12

Course 6132

Prerequisite(s): Art I

Students will interpret and organize multiple solutions between natural and man-made environments. Students will become familiar with different painting styles and techniques by expanding on personal themes, applying design skills, and studying and analyzing artwork.

Art III: Painting

Credit: 1

PEIMS #03501400

Grade: 11-12

Course 6133

Prerequisite(s): Art II: Painting

Students will become familiar with different cultural painting styles and apply a variety of painting techniques. Students will apply design skills in creating their artwork.

Art IV: Painting

Credit: 1

PEIMS #03502400

Grade: 12

Course 6134

Prerequisite(s): Art III: Painting

Students will use problem-solving techniques to create multiple solutions through imaginative thinking to artwork that demonstrates personal intent. Students will create work singularly and/or in a series using a variety of media in their area of concentration.

Photography

Art II: Photography

Credit: 1

PEIMS #03501200

Grade: 10-12

Course 6162

Prerequisite(s): Art I

Students will learn basic, technical and aesthetic skills of photography that include camera manipulation, film processing and printing. The focus will be on both black and white photography and color (digital) photography. Students will gain an understanding of different cameras, lenses, editing software, file organization and printing techniques. It is recommended that the students have access to a DSLR camera and may be required to have a laptop with Adobe Photoshop and Lightroom software.

Art III: Photography**Credit: 1****PEIMS #03502200****Grade: 11-12****Course 6163***Prerequisite(s): Art II: Photography and Portfolio Review*

This class will focus on advanced skills in digital photography in conjunction with Adobe Photoshop, film photography, and the traditional wet darkroom. Learners will also learn how to matt photographs and prepare for exhibition. Participation in art competitions is expected each semester. It is recommended that the students have access to a DSLR camera and may be required to have a laptop with Adobe Photoshop and Lightroom software.

Art IV: Photography**Credit: 1****PEIMS #03503100****Grade: 12****Course 6164***Prerequisite(s): Art III: Photography and Portfolio Review*

This class will focus on advanced skills in digital photography in conjunction with Adobe Photoshop, film photography, and the traditional wet darkroom. Learners will also learn how to matt photographs and prepare for exhibition. Participation in art competitions is expected each semester. It is recommended that the students have access to a DSLR camera and may be required to have a laptop with Adobe Photoshop and Lightroom software.

*Printmaking***Art II: Printmaking****Credit: 1****PEIMS #03500700****Grade: 10-12****Course 6172***Prerequisite(s): Art I*

This course serves as a survey of printmaking techniques. Students will become familiar with different printmaking techniques by expanding on personal themes, applying design skills, and studying and analyzing artwork.

Art III: Printmaking**Credit: 1****PEIMS #03501500****Grade: 11-12****Course 6173***Prerequisite(s): Art II: Printmaking and Portfolio Review*

Students will deepen their understanding and technique with multiple printmaking methods. Students will apply design skills in creating their artwork.

Art IV: Printmaking**Credit: 1****PEIMS #03502500****Grade: 12****Course 6174***Prerequisite(s): Art III: Printmaking and Portfolio Review*

Students will use problem-solving techniques to create multiple solutions through imaginative thinking to artwork that demonstrates personal intent. Students will create work singularly and/or in a series using a variety of media in their area of concentration.

*Sculpture***Art II: Sculpture****Credit: 1****PEIMS #03501000****Grade: 10-12****Course 6152***Prerequisite(s): Art I*

Students will interpret and organize multiple solutions between natural and man-made environments. Students will become familiar with different sculpting styles and techniques by expanding on personal themes, applying design skills, and studying and analyzing artwork.

Art III: Sculpture**Credit: 1****PEIMS #03501900****Grade: 11-12****Course 6153***Prerequisite(s): Art II: Sculpture*

Students will interpret and organize multiple solutions between natural and man-made environments. Students will become familiar with different sculpting styles and techniques by expanding on personal themes, applying design skills, and studying and analyzing artwork.

Art IV: Sculpture**Credit: 1****PEIMS #03502800****Grade: 12****Course 6154***Prerequisite(s): Art III: Sculpture*

Students will use problem-solving techniques to create multiple solutions through imaginative thinking to artwork that demonstrates personal intent. Students will create work singularly and/or in a series using a variety of media in their area of concentration.

Advanced Art

Art: Drawing Portfolio AP

Credit: 1

PEIMS #A3500300

Grade: 11-12

Course 6105

Prerequisite(s): Portfolio Review

Drawing Portfolio is designed to address a very broad interpretation of drawing issues and media. Light and shade, line quality, rendering of form, composition, surface manipulation, and illusion of depth are drawing issues that can be addressed through a variety of means, which could include painting, printmaking, mixed media, etc. A variety of approaches to representation, abstraction and expression may be part of the student's portfolio. This course prepares students to submit the AP Portfolio.

Art: Two-Dimensional Design Portfolio AP

Credit: 1

PEIMS #A3500400

Grade: 11-12

Course 6109

Prerequisite(s): Portfolio Review

Two-Dimensional Design portfolio is intended to address a very broad interpretation of two-dimensional design issues. This type of design involves purposeful decision-making about how to use the elements of art and principles of design in an integrative way. A variety of approaches to representation, abstraction and expression may be part of the student's design portfolio. This course prepares students to submit the AP Portfolio.

Art: Three-Dimensional Design Portfolio AP

Credit: 1

PEIMS #A3500500

Grade: 11-12

Course 6110

Prerequisite(s): Portfolio Review

Three-Dimensional Design portfolio is intended to address a broad interpretation of sculptural issues in-depth and space. These may include mass, volume, form, plan, light and texture. Such elements and/or concepts may be articulated through additive, subtractive, and/or fabrication processes. A variety of approaches to representation, abstraction, and expression may be part of the student's design portfolio. This course prepares students to submit the AP Portfolio.

Art: Art History AP

Credit: 1

PEIMS #A3500100

Grade: 10-12

Course 6111

Students learn to observe and critically assess art through verbal and written expression. Social, political, economic, and religious influences as well as the formal elements of art and principles of design are considered. Painting, sculpture and architecture from and beyond the European tradition are studied. This course prepares students to take the AP Exam.

- Due to potential limitations of course section seating, preference will be given to 11th and 12th graders.

LHS & VHS

Art: Visual Arts IB SL and HL

Credit: 1

PEIMS #I3600200 (SL)

PEIMS #I3600100 (HL)

Grade: 11-12

Course 6107

Course 6108HL1 & 6108HL2

Prerequisite(s): Audition

Students will work on developing portfolios that comply with the criteria set by International Baccalaureate working toward possible college credit. Students must be accepted into this program.

Dance

Principles of Dance I-IV

Credit: 1

PEIMS #03930100

PEIMS #03830200

PEIMS #03830300

PEIMS #03830400

Grade: 9-12

Course 6351

Course 6361

Course 6383

Course 6384

Principles of Dance I introduces the terminology and general principles of dance. Students perform beginning/intermediate movements in a variety of genres, study choreography, develop self-discipline, and participate in group routines/projects. In Principles of Dance II, students create expressive phrases, explore the role of dance in diverse cultures, and analyze performances. Principles of Dance III extends development in styles and concepts, with opportunities for students to conduct research into dance history and develop performance evaluation skills. In Principles of Dance IV, students will develop and assess their artistic growth, create, produce, and perform dance works, design costumes, and relate dance to culture and contemporary society. A class uniform is required for all these courses, and students are required to perform in recitals and shows.

- After successful completion of Dance I, students will receive an additional credit in physical education.

Principles of Dance I: Studio

Credit: 1

Grade: 9-12

PEIMS #03930100

Course 6354

Prerequisite(s): Two years of middle school dance

Principles of Dance I: Studio expands the terminology and general principles of dance. Students perform intermediate/advanced movements in a variety of genres, study choreography, develop self-discipline, and participate in group routines/projects. A class uniform is required and students are required to perform in recitals and shows.

- *After successful completion of Dance I:Studio, students will receive an additional credit in physical education.*

Dance Performance/Ensemble I-II - Team Preparation

Credit: 1

Grade: 9-12

PEIMS #03930100

Course 6353

PEIMS #03830200

Course 6363

Prerequisite(s): Placement by instructor after audition

This course is designed for intermediate-advanced level dancers to prepare students for fall auditions for the Dance Team. Elements that will be included in the audition process will be addressed. Styles include jazz, hip hop, lyrical/contemporary, and high kick. Dance Team Prep classes will have public performances in fall and spring semesters. Dance class uniform is required.

- *After successful completion of Dance Performance/Ensemble I, students will receive an additional credit in physical education.*

Dance Wellness I-IV

Credit: 1

Grade: 9-12

PEIMS # 03834100

Course 6352

PEIMS # 03834200

Course 6355

PEIMS # 03834300

Course 6356

PEIMS # 03834400

Course 6357

Dance Wellness is intended for any student who wants to focus on enhancing and refining athletic performance through techniques and training in Dance. Dance Wellness focuses on kinesiological understanding, proper nutrition, injury prevention, ability to use imagery effectively and overall fitness. Dance has been proven to be an excellent way to cross-train for serious athletes and dancers. The class will improve your flexibility, core control (balance), footwork, overall strength, and stability.

- *After successful completion of Dance Wellness I, students will receive an additional credit in physical education.*

Dance Performance/Ensemble I-IV - Dance Team JV

Credit: 1

Grade: 10-12

PEIMS #03830100

Course 6395

PEIMS #03830200

Course 6396

PEIMS #03830300

Course 6397

PEIMS #03830400

Course 6398

Prerequisite(s): Audition

The JV Dance Team is available to students who audition for Dance Team and are selected for the JV level. This group rehearses during regular class hours. Performances are given regularly for athletic events, community events, and shows throughout the year. The JV Dance Team meets on an A/B rotation.

Dance Performance/Ensemble I-IV - Dance Team

Credit: 1

Grade: 10-12

PEIMS #03830100

Course 6371

PEIMS #03830200

Course 6372

PEIMS #03830300

Course 6373

PEIMS #03830400

Course 6374

Prerequisite(s): Audition

The Dance Team is available to students who participate in the annual auditions and are chosen to be on the team. This group rehearses extensively outside regular class hours. Performances are given regularly for athletic events, pep rallies, contests, community events, and shows throughout the year. The Dance Team meets daily.

Dance Composition Improvisation I-II

Credit: 1

Grade: 10-12

PEIMS #03832500

Course 6504

PEIMS #03832600

Course 6506

Prerequisite(s): Current Officer for Dance Team

Dance Composition/Improvisation is designed to prepare students who have been selected as officers in the Dance Team or are interested in pursuing leadership opportunities in Dance. Students are provided the opportunity to study, practice and develop group leadership and organizational skills, as well as their creativity in choreography and dance techniques. These skills include, but are not limited to: decision making, problem solving, communication, leadership, human relations and understanding the need for social intelligence and civic responsibility. Dance class uniform is required.

LHS & VHS

Dance IB SL & HL

Credit: 1

PEIMS #13830100 (SL)

PEIMS #13830200 (HL)

Grade: 11-12

Course 6388

Course 6389

Recommended Prerequisite(s): prior dance experience

The IB dance program is a two-year course of study starting in grade 11 and culminating with examinations in grade 12. It is a challenging, rigorous course that seeks to challenge students who are motivated as self-learners. Students will be exposed to and learn a variety of dance techniques, performance skills, dance from other cultures, compositional tools, somatic practices, research practice, and dance history. Students will also perform their work in progress at informal open showings throughout the year. This course prepares students to take the IB Exam.

Music: Band

Band I-IV

Credit: 1

Grade: 9-12

PEIMS #03150100

PEIMS #03150200

PEIMS #03150300

PEIMS #03150400

Prerequisite(s): Audition

Overview - Participation in all bands is subject to instructor placement determined by an audition to assess the student's instrumental technique and music reading skill. All band students are required to participate in rehearsals and performances before and after school. Band students are expected to rent or purchase their own instruments (except for certain instruments provided by the school district) and to purchase their own mouthpieces, reeds, and other accessories. Band is a full year course.

Marching Band – All students enrolled in the Wind Ensemble, Symphonic Winds, Symphonic Band or Concert Band will participate in marching band unless excused by the band director. Marching band rehearsals begin near the end of July and continue through the fall semester. These rehearsals occur either before or after school. These bands march at varsity football games and compete in marching contests sponsored by the University Interscholastic League (UIL) and other organizations. Contests through other organizations may be entered as well. *Students will receive an additional physical education substitution credit for the fall semester of marching band not to exceed one full credit.*

Wind Ensemble – selection into this group is by audition, director recommendation, and demonstration of academic proficiency. Members in this ensemble will participate in the TMEA Region Band and Orchestra process, UIL Marching Contest, Solo and Ensemble (UIL or equivalent), and UIL Concert and Sight-reading Evaluation. Members of this group will have section rehearsals that occur outside of the school day (frequency and length as determined by the director) and an assigned hearing time outside of the school day for grading purposes. The Wind Ensemble will give numerous performances both on and off campus. For UIL purposes, this group will be considered the Varsity band.

Wind Ensemble I-IV

Course 6241 - 6244

Symphonic Winds, Symphonic Band, and Concert Band – selection into any of these groups is by audition. These groups, at varying levels, will participate in the UIL Marching Contest, Solo and Ensemble Contest (UIL or equivalent), and UIL Concert and Sight- Reading Evaluation. Members of the Symphonic Band will participate in the TMEA Region Band process. Members in these groups will have one or more section rehearsals outside of the school day and may have an assigned hearing time outside of the school day for grading purposes. These groups will give a variety of performances. For UIL purposes, these groups will be listed as the Non-Varsity or Sub Non-Varsity bands.

Concert Band I-IV

Course 6211 - 6214

Symphonic Band I-IV

Course 6221 - 6224

Symphonic Winds I-IV

Course 6231 - 6234

Instrument Ensemble: Chamber I-IV

Credit: ½ - 1

Grade: 9-12

PEIMS #03151700

Course 6291

PEIMS #03151800

Course 6292

PEIMS #03151900

Course 6293

PEIMS #03152000

Course 6294

Prerequisite(s): Audition and concurrent enrollment in a performing concert band

Students in Instrumental (Chamber) Ensemble must be committed to developing individual musical skills and rehearsing a wide variety of music appropriate for the instrumental group into which they belong. Students in Chamber Ensemble would be expected to perform frequently in classroom settings as well as more formal arenas and would have the opportunity to develop leadership skills as coaches for student-led ensembles. The goal of this course is to challenge students to improve their individual musical skills and have a positive impact on the student's artistic development and performance experiences.

Jazz Ensemble I-IV**Credit: 1****PEIMS #03151300****PEIMS #03151400****PEIMS #03151500****PEIMS #03151600****Grade: 9-12****Course 6281****Course 6282****Course 6283****Course 6284***Prerequisite(s): Audition and concurrent enrollment in choir or a performing concert band*

Jazz Ensemble – selection into this group is by audition, director recommendation, and demonstration of academic proficiency. Members of the Jazz Ensemble must be concurrently enrolled in one of the parent musical organizations (choir or concert band) at the discretion of the director. This class meets on an A/B rotation and may only meet during the spring semester. The Jazz Ensemble will give numerous performances both on and off campus.

Color Guard I-IV**Credit: 1****PEIMS #03150100****PEIMS #03150200****PEIMS #03150300****PEIMS #03150400****Grade: 9-12****Course 6261****Course 6262****Course 6263****Course 6264***Prerequisite(s): Audition*

Selection into Color Guard is by audition only. Students in the color guard will perform with the marching band. Individual members will use a variety of auxiliary equipment and dance to visually enhance the marching band. The Color Guard performs in conjunction with the marching band. In the spring semester, the Color Guard continues performance through the Winter Guard program.

- *Students will receive an additional physical education substitution credit for the fall semester of color guard not to exceed one full credit.*

Music: Choir**Choir I-IV****Credit: 1****PEIMS #03150900****PEIMS #03151000****PEIMS #03151100****PEIMS #03151200****Grade: 9-12***Prerequisite(s): Audition for levels II - IV*

Choir courses place a strong emphasis on music reading and vocal technique, as well as the development of self-discipline, team building, and a strong work ethic in a positive atmosphere. Students are placed in a choir class that best meets their individual needs and experience. Students perform in a variety of musical styles in large and small ensembles and have the opportunity to perform as soloists. Show Choir is for students who want to combine the physical demand of choreography with music performance. Performance opportunities include Choir Concerts, UIL Concert and Sight-reading Evaluation, UIL Solo Contests, and state auditions.

- *Show Choir meets the state standard for the physical education graduation requirement; however, students cannot receive both fine arts and physical education during the same school year.*

Tenor/Bass Choir I-IV**Course 6315-6318****Treble Choir I-IV****Course 6311-6314****Mixed Choir I-IV****Course 6319-6322****Show Choir I-IV****Course 6327-6330****Vocal Ensemble I-IV****Credit: 1****PEIMS #03152100****PEIMS #03152200****PEIMS #03152300****PEIMS #03152400****Grade: 9-12****Course 6323****Course 6324****Course 6325****Course 6326***Prerequisite(s): Audition Required*

This is a small, select choir with membership determined by the director on each campus, and limited to those students of the highest level of musicianship. Students can expect auditions for this group to be more rigorous than those for the other choirs on their campus. Students can also expect a heavier time commitment for extra rehearsals, performances, and contests as a member of a small ensemble.

Music Studies

LHS & VHS

Music IB SL & HL

Credit: 1

PEIMS #13250200 (SL)

PEIMS #13250300 (HL)

Grade: 11-12

Course 6347

Course 6300HL1 & 6300HL2

Prerequisite(s): Instructor approval, current active participation in a music ensemble or private lessons, music reading ability and advanced instrumental or vocal performance skills.

Music SL & HL IB is designed for music students with varied backgrounds in music performance. The aim of the IB music program is to give music students the opportunity to explore and enjoy the diversity of music throughout the world by enabling them to creatively develop their knowledge, abilities and understanding through performance and composition. Students will be expected to demonstrate their understanding of music by performing, by using appropriate musical language and terminology in analyzing musical works from many and varied cultures and periods and by exploring music through music theory, sight singing, composition, and so on. IB students must take this course either in conjunction with one of the school's large ensembles (Band, Choir), or be involved in private lessons outside of school. This course prepares students to take the IB Exam.

Music Theory

Credit: 1

PEIMS #03155400

Grade: 10-12

Course 6349

Prerequisite(s): Instructor approval, current active participation in a music ensemble or private lessons, music reading ability and advanced instrumental or vocal performance skills.

Music Theory is a basic course for students who will be majoring in music at the university level or who intend to pursue music as a career. This course is a comprehensive study of the materials of counterpoint and harmony. The study is made through listening and observation of the literature. Lessons in application include activities in musical writing and analysis. Advanced ear training, individual sight-reading, and the study of musical harmony will be emphasized.

Music Theory AP

Credit: 1

PEIMS #A3150200

Grade: 11-12

Course 6348

Prerequisite(s): Instructor approval, current active participation in a music ensemble or private lessons, music reading ability and advanced instrumental or vocal performance skills.

Music Theory AP is an advanced course for students who will be majoring in music at the university level. The goal of this course is to develop a student's ability to recognize, understand and describe the basic materials of music. The study is by the development of the student's aural, sight-singing, written, compositional, and analytical skills through the use of music literature. This course prepares students to take the AP Exam.

Musical Theatre

Musical Theatre I-IV

Credit: 1

PEIMS #03251900

PEIMS #03252000

PEIMS #03252100

PEIMS #03252200

Grade: 9-12

Course 6441

Course 6442

Course 6443

Course 6444

Prerequisite(s): Application Process and Audition

Musical Theatre will expose students to a wide range of on-stage performance disciplines, including performing as an actor, vocalist and dancer in varying styles of musical production. The course will also provide an atmosphere in which students benefit from a teaching and learning experience in these performance disciplines of musical theatre. Students will receive comprehensive and rigorous instruction so that they may make informed choices about the craft, college, and the profession.

- *Musical Theatre meets the state standard for the physical education graduation requirement; however, students cannot receive both fine arts and physical education credit during the same school year.*

Technical Theatre

Technical Theatre I-IV

Credit: 1

PEIMS #03250500

PEIMS #03520600

PEIMS #03251100

PEIMS #03251200

Grade: 9-12

Course 6421

Course 6422

Course 6423

Course 6424

Prerequisite(s): Portfolio Review may be required

Fundamentals of stage design, set and property construction, costumes and make-up, as well as the principles of stage lighting and sound are presented in this course. Students will learn all responsibilities of a production crew including the job of stage manager, director, and assistant director. Technical Theatre II-IV is a continuation of learning the above technical elements of theatre. *Students are encouraged to attend play rehearsals and serve on production crews.*

Technical Theatre Design II-IV

Credit: 1

PEIMS #03523500

PEIMS #03253600

PEIMS #03253700

Grade: 10-12

Course 6425

Course 6426

Course 6427

Prerequisite(s): Technical Theatre I, Portfolio Review and or audition required

Technical Theatre Design will focus on advanced level stage design, set and property construction, costumes and make-up, as well as the principles of stage lighting and sound are presented in this course. Students will expand their learning to mastery in the areas of production crew including the job of stage manager, director, and assistant director.

- *Students are encouraged to attend play rehearsals and serve on production crews.*

Theatre Arts

Theatre I-IV

Credit: 1

PEIMS #03250100

PEIMS #03250200

PEIMS #03250300

PEIMS #03250400

Grade: 9-12

Course 6401

Course 6402

Course 6403

Course 6404

Theater I is an introduction to the elements of theatre, including basic acting techniques, technical theatre, interpretation of dramatic literature, stage movement, mime, voice and diction, improvisation, and scene presentation. Students will practice relaxation and preparatory techniques, examine dramatic structure, and develop audience appreciation skills by attending live theatrical performances. Students will participate in performances during class as an actor or part of a crew numerous times throughout the year. Theater II-IV is a continuation of learning the above elements of theatre, as well theatre history, basic stage makeup techniques, reader's theatre, and duet acting.

Theatre Production I-IV

Credit: 1

PEIMS #03250700

PEIMS #03250800

PEIMS #03250900

PEIMS #03251000

Grade: 9-12

Course 6411

Course 6412

Course 6413

Course 6414

Prerequisite(s): Audition

Theatre Production classes are geared toward learning through production work. Outside commitment is required. There is an emphasis on directing and students will learn how to make a production notebook. In theatre production classes, students are provided opportunities to learn about and participate in all aspects of theatre production. Students will learn increasingly more difficult performance and technical skills and are required to participate in productions for the community and school.

LHS

Theatre Arts IB SL & HL

Credit: 1

PEIMS #13750200 (SL)

PEIMS #13750300 (HL)

Grade: 11-12

Course 6431

Course 6432HL1 & 6432HL2

Prerequisite(s): Audition

IB Theatre Arts provides students with the opportunity to analyze, interpret and criticize play scripts and other theatrical texts; investigate cultural and historical movements in the theatrical arts; direct, perform, and learn technical skills. Students complete a 2500- word research commission, make an oral presentation, compile an extensive portfolio of reflection on performance skills and technical skills, and produce an independent project. Students will be required to participate in productions for the community and school. This course prepares students to take the IB Exam.

HEALTH/PHYSICAL EDUCATION

Certain programs may substitute for physical education credit. Substitutions are noted in the appropriate course descriptions. Approved substitution credits are: Drill Team, Cheerleading, Marching Band and JROTC for a maximum of one credit. Students in Dance I and Dance Team Preparation I can also earn a credit of PE Credit may not be earned for any PE course more than once and no more than four substitutions may be earned through any combination of allowable substitutions. Athletics or Private/Commercially sponsored activities may be substituted up to four credits. Please see the Physical Education substitution section in the front of the course catalog for detailed information.

Health

Credit: ½

PEIMS #03810100

Grade: 10-12

Course 7510

This is a comprehensive course of study of the concepts and skills that foster individual personal health and safety. Current and relevant topics such as environmental health, the influence of media on health consumerism, current health issues, and health care finances will be examined.

Lifetime Fitness and Wellness Pursuits

Credit: 1

Grade: 9-12

PEIMS #PES00051

Course 7120

The Lifetime Fitness and Wellness Pursuits course offers current approaches for the foundation of personal fitness, physical literacy, lifetime wellness, and healthy living. Students in Lifetime Fitness and Wellness Pursuits will apply the knowledge and skills to demonstrate mastery of the concepts needed to achieve lifetime wellness. Students will participate in a variety of physical activities for attaining personal fitness and lifetime wellness.

Skill-Based Lifetime Activities

Credit: 1

Grade: 9-12

PEIMS #PES00056

Course 7121

The Skill-Based Lifetime Activities course offers students the opportunity to demonstrate mastery in basic sport skills, basic sport knowledge, and health and fitness principles. Students experience opportunities that promote physical literacy and lifetime wellness. Students in Skill-Based Lifetime Activities participate in a minimum of one lifelong activity from each of the following five categories during the course. (Target games, Striking and Fielding games, Fitness activities, Rhythmic games, and Innovative games/activities.

Cheerleading

Credit: 1

Grade: 9-12

PEIMS #PES00013

Course 7151

PEIMS #PES00051

Course 7153

PEIMS #PES00056

Course 7155

PEIMS #PES00053

Course 7156

Prerequisite(s): Audition

Cheerleaders promote participation in and support the athletic teams and student body. In addition to kinesthetic fundamentals of dance, stunting, and tumbling, cheerleaders will develop skills of leadership, cooperation, self-discipline, and sportsmanship. There are a limited number of participants selected and tryouts are in the spring following a week-long tryout clinic.

- *Students receive one physical education substitution credit for the first year of cheerleading. Remaining credits in cheerleading are state PE credits. Students can receive a maximum of four credits for cheerleading.*

Athletics

Students may be enrolled in only one section during the regular school day for practice of inter-school competitive athletics and for programs in which body conditioning, training, and other activities in one of the team sports is the objective of the teacher and students. Students who enroll in an athletic class will be subject to removal and placed in an alternate class for the remainder of the semester if they do not meet the athletic standard required for participation on a competitive team. All students must pass a physical examination each year of athletics and complete all other appropriate forms. Athletic team classes meet every day.

- *Students receive one PE substitution credit for each year of successful completion of Athletics for a maximum of four credits. All remaining Athletic credits are local credits and will not be counted toward the state recommended graduation plan of 26 credits.*

Athletics

Credit: 1

Grade: 9-12

Course # (See school counselor)

Prerequisite(s): Member of the athletic team, Coach's recommendation and approval

Boys Athletics

Girls Athletics

Coed Athletics

Baseball

Basketball

Cross Country

Track & Field

Basketball

Soccer

Golf

Wrestling

Football

Softball

Swim & Dive

Soccer

Volleyball

Tennis

Sports Medicine I-IV

Credit: 1

Grade: 9-12

PEIMS #PES00000

Course 7201

PEIMS #N1150040

Course 7205

PEIMS #N1150041

Course 7206

PEIMS #N1150044

Course 7207

Prerequisite(s): Instructor Approval

Sports Medicine takes a detailed approach to the prevention, treatment, and rehabilitation of athletic injuries. This class requires strenuous physical activity. Students will learn how to use different modalities in the rehab process. Students are expected to cover assigned sports by being present at games and practices.

- *Students receive one physical education substitution credit successful completion of Sports Medicine I.*

COLLEGE, CAREER AND LEADERSHIP DEVELOPMENT

College and Career Development

Advancement Via Individual Determination (AVID) I-IV

Credit: 1

PEIMS #N1290001

PEIMS #N1290002

PEIMS #N1290030

PEIMS #N1290033

Grade: 9-12

Course 8527

Course 8528

Course 8529

Course 8530

Prerequisite(s): Application process, oral and written interview process

The Advancement Via Individual Determination (AVID) class prepares students for college and careers by teaching academic skills, time management, and personal organization. Preparation for college entrance exams (SAT/ACT), Socratic tutorials, motivational activities, and career and college exploration are also part of the curriculum. Enrollment is determined by a student application and interview process. AVID places identified students in a rigorous curriculum and gives them needed support for success. Each year of AVID builds on the next and is intended to be an elective choice all four years of a student's high school career. In AVID I-II, students learn strategies for success, such as collaborative discussion skills, analytical writing, rhetorical reading, study skills, and focused note-taking strategies. In AVID III-IV, oral communication skills, resume preparation, college and career research, and college essay and application support. Field trips to a variety of college campuses and college and career events occur every year to expose students to authentic college experiences and gain valuable admissions and career information.

Methodology for Academic and Personal Success I (MAPS)

Credit: 1

PEIMS #N1130021

Grade: 9-10

Course 8513

MAPS focuses on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students will explore the options available in high school, higher education and the professional to establish both immediate and long-range personal goals. The courses focus on self-understanding, decision-making, resiliency, attitude, character education and leadership to help students maximize personal achievement.

Seminar AP

Credit: 1

PEIMS #N1130026

Grade: 10-12

Course 1563

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. This course prepares students to take the AP Exam.

- *AP Seminar is part of the College Board AP Capstone Program. Due to potential limitations of course section seating, preference will be given to 11th and 12th graders.*

Research AP

Credit: 1

PEIMS #N1100014

Grade: 11-12

Course 1564

Prerequisite(s): AP Seminar

AP Research allows students to explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long, research-based investigation to address a specific question. Students further develop the skills acquired in the AP Seminar course by learning about and understanding research methods; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. The course culminates in an academic paper of 4,000–5,000 words and a presentation, performance, or exhibition with an oral defense. This course prepares students to take the AP Exam.

- *AP Research is part of the College Board AP Capstone Program.*

LHS & VHS

Theory of Knowledge IB

Credit: ½

PEIMS #I3000100

Grade: 11-12

Course 1561, 1562

Theory of Knowledge is the key element in the educational philosophy of the IB; its purpose is to stimulate critical reflection upon the knowledge and experiences acquired both inside and outside the classroom, to evaluate the bases of knowledge and experiences, and to develop a personal mode of thought based on critical examination of evidence and argument (International Baccalaureate Subject Guide). Students will share ideas about many subjects, including ethics, the arts (aesthetics), history, human sciences, natural sciences, and mathematics. Students are required to write essays and make presentations to the class. This course is a required core component of the IB Diploma Programme. This course prepares students to take the IB Exam.

QUEST-G/T**Credit: 1****PEIMS #85000QST****Grade: 9-12****Course 8536***Prerequisite(s): Identified QUEST students*

QUEST-G/T is a service designed to provide learning experiences for academic challenge and personal growth for identified gifted students. Students may enroll in the QUEST-G/T Independent Study as a class and/ or attend the QUEST-G/T Independent Study during lunch, before, or after school. While in the Independent Study students can work on projects, conduct research, have discussions, and participate in other activities related to their area of passion/interest.

- *This is a locally developed course and does not meet state credit requirements for graduation. This course is not used to determine grade point average (GPA).*

College Transition**Credit: ½****PEIMS #N1290050****Grade: 11-12****Course 8524**

College Transition prepares students for the transition from high school to college. Instruction focuses on exploration of college options, research of admission requirements and procedures, preparation for entrance exams, as well as a review of critical college survival skills. This course will culminate with the completion of a college application portfolio.

PSAT Team**Credit: ½****PEIMS #85000COL****Grade: 11****Course 8506**

PSAT Team is a class designed to provide additional preparation for those students performing at high levels on the PSAT prior to their junior year. This course will provide an intense review over evidence-based reading and writing and mathematics skills prior to the mid-October PSAT test date. After the PSAT, students will then focus on awareness and skill building for the SAT and the ACT to be taken in the spring of the junior year.

- *This is a locally developed course and does not meet state credit requirements for graduation. This course is not used to determine grade point average (GPA).*

Study Lab I-IV**Credit: 1****PEIMS #85000SL9****PEIMS #85000S10****PEIMS #85000S11****PEIMS #85000S12****Grade: 9-12****Course 8014****Course 8015****Course 8016****Course 8017***Prerequisite(s): Committee Determination*

Study Lab I-IV courses are designed to assist students with strategies to aid the students' successes in the classroom. Students are introduced to skills associated with test-taking techniques, analysis of key words, highlighting, note taking, outlining, study tips, use of time, and ways to stage study sessions for optimal results. Organizational skills are accented with emphasis on practical ways to develop organized approaches to studying, completing assignments, addressing homework, and increasing self-responsibility for classroom activities. Students use research to access information and learn how learning styles impact the acquisition of knowledge. Learning to apply these strategies in a systematic manner is the focus of these courses. Some variation in course content/emphasis may occur on campus depending on individual learning needs of the students.

- *This is a locally developed course and does not meet state credit requirements for graduation. This course is not used to determine grade point average (GPA).*

Leadership Development**Leadership: Leadworthy The Course****Credit: ½****PEIMS #N1290012****Grade: 9-12****Course 8522**

Leadworthy The Course is a curriculum designed to develop personal responsibility, leadership, and professional skills through explicit social-emotional participatory learning experiences. The course provides students the opportunity to develop an awareness of personal image, a healthy self-concept, and healthy relationships. Students learn the concepts of consequential thinking and principle-based decision making. Students examine their awareness of social media, the effects of peer pressure and bullying, along with effective strategies to counteract those effects. This course will provide students opportunities to improve their public speaking and communication skills and their personal vision, mission statement, and goals. They will develop an understanding of what it means to be an effective member of the community through community service.

Leaders in Technology, Innovation, and Integration I-III

Credit: 1

PEIMS #85000LT1

Grade: 10-12

Course 8585-8587

Prerequisite(s): Student Information Request

Students in this course will serve as consultants for the campus community and develop information literacy and technology skills in themselves and others. Duties /assignments may include demonstrating customer service, communication and problem-solving skills; providing technical support and training to other students and staff; modeling and promoting digital citizenship and Leander ISD acceptable use guidelines; designing, developing, and managing knowledge base and training resources, such as tutorial webcasts, website content, and social media communications.

- *This is a locally developed course and does not meet state credit requirements for graduation. This course is not used to determine grade point average (GPA).*

Team Sport Officiating

Credit: 1

PEIMS #N1160012

Grade: 11-12

Course 8526

In this course, students will apply rules and regulations of selected team sports, developing skills in the area of communication, decision making, and conflict management which are needed to officiate team sport competitions.

Junior Reserve Officers' Training Corps (JROTC)

The JROTC program instills in students the values of citizenship, service to the United States, personal responsibility, and a sense of accomplishment. The program promotes patriotism and develops a high degree of personal honor, self-reliance, individual discipline, and leadership. Students will learn about the basic elements of, and need for, national security and the critical role of sea, and air and space power. JROTC is both a curricular and extra-curricular program with many opportunities for students to get involved on any of a number of teams including: armed/unarmed drill, color guard, physical fitness, orienteering, academic, air rifle, rocketry and CyberPatriot.

As an elective course, JROTC provides ½ credit for each semester completed. Enrollment in JROTC satisfies the physical education requirement for graduation and may be taken in lieu of PE. Qualified students desiring a military career may earn advanced promotion upon initial enlistment in the service, nomination to a Service Academy, or ROTC scholarship opportunities.

Bus transportation for Air Force Junior Reserve Officer Training Corps (AFJROTC) at Leander High School is provided from Cedar Park High School and Glenn High School. Transportation for Vandegrift High School students is arranged with LISD's transportation department. Bus transportation for Navy Junior Reserve Officer Training Corps (NJROTC) at Vista Ridge High School is provided from Rouse High School. Campus College and Career Transition Coordinators work closely with JROTC students and the transportation department to schedule departure and return times.

Note: Regular morning bus routes do NOT arrive at campuses prior to morning JROTC shuttle bus departure times. Students must arrange transportation to their home campus to arrive in time to get on the shuttle bus.

LHS

Air Force Junior ROTC I

Credit: 1

PEIMS #PES00004

Grade: 9-12

Course 8541

This course is designed to acquaint students with the historical development of flight and the role of the military in history. The course will review development of flight from ancient legends through the Persian Gulf War and cover the role of the military throughout the history of the United States. The leadership studies relate directly to military traditions, core values and self-control. The wellness program focuses on nutrition, exercise and physical activities designed to motivate JROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives. Additionally, wearing of the uniform, Air Force customs and courtesies, and basic drill skills are introduced.

- *Students receive one physical education substitution credit for the first year of JROTC.*

LHS

Air Force Junior ROTC II

Credit: 1

PEIMS #03160200

Grade: 10-12

Course 8542

Prerequisite(s): Air Force JROTC I

This course is designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. The course begins with a study of the atmosphere and weather, followed by the effects of weather on flight. Fundamentals of lift, weight, thrust and drag, what makes an airplane fly, is followed with map reading, course plotting and the effects of wind. The portion on the human requirements of flight is a survey course on human physiology, discussing the circulatory system, effects of acceleration and protective equipment. The leadership course places an emphasis on communications skills and cadet corps activities. Written reports and speeches compliment academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects. The wellness program focuses on nutrition, exercise and physical activities designed to motivate JROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives. Additionally, wearing of the uniform, Air Force customs and courtesies, and basic drill skills are continued.

LHS

Air Force Junior ROTC III

Credit: 1

PEIMS #03160300

Grade: 11-12

Course 8543

Prerequisite(s): Air Force JROTC II

This course is designed to examine earth, the moon, and the planets, the latest advances in space technology, and continuing challenges of space and manned spaceflight. An introduction to astronomy explores the history of astronomy to include prehistoric astronomy. An in-depth study of the solar system, the terrestrial planets, and the outer planets is covered as well. The leadership unit of the course will help students decide which path to take after high school. Information on how to apply to college or to a vocational or technical school is included as well as how to begin the job search for students who decide not to go to college or vocational school. Students are informed about real life issues such as understanding contracts, leases, wills, warranties, legal notices, and personal bills. There is information on preparing a resume and the importance of good interviewing skills. The wellness program focuses on nutrition, exercise and physical activities designed to motivate JROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives. Additionally, wearing of the uniform, Air Force customs and courtesies, and basic drill skills are continued.

LHS

Air Force Junior ROTC IV

Credit: 1

PEIMS #103160400

Grade: 12

Course 8544

Prerequisite(s): Air Force JROTC III

Global and Cultural Studies is a multidisciplinary course that introduces students to various regions of the world from a geographic, historical and cultural perspective. The course provides increased international awareness and insight into foreign affairs, geopolitical issues such as terrorism, economics, politics, military issues, religion, environmental concerns, human rights, disease, over population, literacy, and the migration of people. The leadership unit of the course is a guide to understanding the fundamentals of management, managing oneself, and others. Emphasis is placed on allowing the student to see himself/ herself as a manager and form a strong foundation for the capability to lead others. The wellness program focuses on nutrition, exercise and physical activities designed to motivate JROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives. Additionally, wearing of the uniform, Air Force customs and courtesies, and basic drill skills are introduced.

VRHS

Navy Junior ROTC I

Credit: 1

PEIMS #PES00004

Grade: 9-12

Course 8537

Naval Science I introduces students to the precepts of citizenship, leadership and the value of scholarship and academics in attaining life goals while emphasizing each person's responsibilities in American society. The course is designed to engender a sound appreciation of the heritage and tradition of the United States with a focus on the historical significance of sea power. This course includes classroom instruction, physical fitness, military drill, wearing the uniform and practicing military customs and courtesies.

- *Students receive one physical education substitution credit for the first year of JROTC.*

VRHS

Navy Junior ROTC II

Credit: 1

PEIMS #03160200

Grade: 10-12

Course 8538

Prerequisite(s): Naval Science I

Naval Science II builds on the foundation begun during Naval Science I, to further develop the traits of leadership, citizenship, discipline, and self-confidence that form the basis of the NJROTC program. This course examines United States Navy and Marine Corps History from 1775 to the new millennium and United States Government concepts that are related to a citizen's rights and responsibilities. Technical aspects of the course include oceanography, meteorology, astronomy, physical science of the oceans, and maritime geography.

VRHS

Navy Junior ROTC III

Credit: 1

PEIMS #03160300

Grade: 11-12

Course 8539

Prerequisite(s): Naval Science II

Naval Science III builds on the foundation begun during Naval Science I and Naval Science II, to further develop the traits of leadership and self-discipline. Leadership is the paramount topic in Naval Science III. In addition to continued stress on the Fundamentals of Democracy and United States Naval history, students are introduced to the vital importance of military justice, international law, national security, Navy and Marine Corps operations, ship construction, basic seamanship, marine navigation, and naval weapons and aircraft.

VRHS

Navy Junior ROTC IV

Credit: 1

PEIMS #03160400

Grade: 12

Course 8540

Prerequisite(s): Naval Science III

Naval Science IV is the culmination of the Naval Science Program. Leadership is the primary emphasis in Naval Science IV. Students will pursue a rigorous course of study in leadership techniques, effective communications, and group dynamics. The course will include reading, writing, and practical exercises.

CAREER AND TECHNICAL EDUCATION

Leander ISD offers a variety of CTE Programs of Study across eleven career clusters at all high school campuses. Due to specialized facility requirements, student interest/enrollment and instructor availability, not all CTE Programs of Study are offered on all campuses. Please see the CTE Program of Study Guidebook for more information.

Students generally enroll in programs not offered on their home campus in one of two ways: 1) transfer completely, 2) complete one day on the home campus and the other day on the program campus. Students who wish to transfer (option #1) must go through the district transfer process. Please note that specific high school campus moratoria on transfers into a campus supersedes option #1. For students who wish to remain enrolled at their home campus (options #2) enrollment is not guaranteed and will be determined based on campus program availability and capacity.

If a student opts to enroll in a program located at a different campus other than their home campus, they are responsible for arranging their own transportation to and from that campus. Participation in programs not on a student's home campus requires special scheduling and commitment on the part of parents, students, teachers and school counselors. Students are urged to contact their school counselor early to start exploring participation.

Leander Independent School District will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

It is the policy of LISD not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational 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. La política del LISD prohíbe la discriminación por motivos de raza, color de piel, origen nacional, género o discapacidad en los programas, servicios o actividades vocacionales, tal como exige el Título VI de la Ley de Derechos Civiles de 1964, en su forma enmendada; el Título IX de las Enmiendas Educativas de 1972; y la Sección 504 de la Ley de Rehabilitación de 1973, en su forma enmendada.

For information about your rights or grievance procedures, contact the Title IX Coordinator at Bryan.Miller@leanderisd.org, (512) 570-0000 and/or the Section 504 Coordinator for Student Services at Angela.Patrick@leanderisd.org, (512) 570-0000. Para información sobre los derechos o procedimientos de quejas, favor de comunicarse con el coordinador del Título IX en Bryan.Miller@leanderisd.org o al (512) 570-0000 o con la coordinadora de servicios estudiantiles de la Sección 504 en Angela.Patrick@leanderisd.org o al (512) 570-0000.

Agriculture, Food and Natural Resources

Principles of Agriculture, Food & Natural Resources

Credit: 1

PEIMS #13033200

Grade: 9

Course 8050

Principles of Agriculture, Food and Natural Resources is designed to enhance understanding of the agriculture industry. Students will develop technical knowledge and skills related to plant and animal systems, food production, mechanical systems, entrepreneurship, leadership, and environmental sciences. This course is strongly encouraged for students planning an Agriculture Science Program of Study or a career in Agriculture.

Wildlife, Fisheries & Ecology Management

Credit: 1

PEIMS #13001500

Grade: 10-12

Course 8075

Wildlife, Fisheries, and Ecology Management examines the management of game and non-game wildlife species, hunting, boating and fishing regulations, as well as aquaculture resources with their ecological needs as it relates to current agricultural practices. This class can help students prepare for opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

- *There may be costs associated with taking this course.*
- *Safety certification available.*

Animal Science Studies

Equine Science & Small Animal Management

Credit: 1

PEIMS #13000500 & #13000400

Grade: 10-12

Course 8061/8071

Equine Science & Small Animal Management is a year-long course that is designed for students to learn knowledge and skills pertaining to the selection, nutrition, reproduction, health, and management of horses, donkeys and mules. It also includes an overview of the small animal industry, including the species, breeds, animal health, reproduction, genetics, facilities, equipment and marketing of common domesticated pets and exotic animals.

- *Industry-Based Certification available.*

Livestock and Poultry Production

Credit: 1

Grade: 10-12

PEIMS #13000300

Course 8058

Livestock and Poultry Production is a course designed for students to learn about animals that contribute to society by producing meat, milk, eggs, fiber, work, and other services. Species students will learn about include: cattle, swine, lambs, goats, poultry, and specialty animals. Students will be able to identify and evaluate livestock as well as describe or perform husbandry practices including handling, facilities/equipment, reproduction and nutrition.

Advanced Animal Science

Credit: 1

Grade: 11-12

PEIMS #13000700

Course 8060

Prerequisite(s): Biology, Chemistry or IPC; Algebra I, Geometry, Small Animal Management/Equine or Livestock and Poultry Production

Advanced Animal Science is a course in which students will utilize working knowledge and skills related to animal systems of production animal species. Topics will include animal reproduction, anatomy, growth, development, and scientific practices of production animals. Instruction is designed to allow for hands-on practices through scientific and technological aspects of animal science through hands-on field and laboratory experiences.

- *This course can substitute for a science graduation requirement.*

CPHS, RHS & GHS

Practicum in Agriculture, Food, and Natural Resources: Animal Science

Credit: 2

Grade: 12

PEIMS #13002500

Course 8080

Prerequisite(s): Advanced Animal Science, Student Enrollment Request

Practicum provides a unique experience that allows students the opportunity to participate in a hands-on experience in a learning environment that combines classroom instruction with career opportunities in production animal science businesses. Students will gain academic and career preparation to pursue high-demand and high-skill careers. Students will also complete the Practicum Animal Science student interest form prior to enrollment to verify internship/job placement.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*

Animal Science – Veterinary

LHS, VHS & VRHS

Veterinary Science

Credit: 1

Grade: 11-12

PEIMS #13000600

Course 8072

Prerequisite(s): Livestock and Poultry Production or Equine Science & Small Animal Management

Veterinary Science is designed to introduce students to the basic concepts and skills necessary for small animal veterinary medicine. Topics such as safety and sanitation, terminology, parasitology, pharmacology, and clinical and handling procedures are covered throughout the course. Live animals will be used in this class for skill development. This course is designed to prepare students for entry-level positions in veterinary medicine and serves as a prerequisite for the Practicum in Veterinary Science course.

LHS, VHS & VRHS

Practicum in Agriculture, Food, and Natural Resources: Veterinary Science

Credit: 2

Grade: 12

PEIMS #13002500

Course 8073

Prerequisite(s): Veterinary Science, Student Enrollment Request

Practicum in Veterinary Science is designed to facilitate the skills and internship hours that are required to obtain a Certified Veterinary Assistant (CVA) Level One certification. Practicum students will be responsible for securing an internship location with guidance from the classroom instructor for their CVA hours and skills application. All final internship placements must be approved by the classroom instructor. The Texas Veterinary Medical Association CVA Level One certification requires students to complete 300 hours under the supervision of a veterinarian or licensed veterinary technician, in addition to the 200 hours under the supervision of the classroom instructor. Students will also complete the TVMA checklist of skills with their internship site prior to being approved for certification testing. Students who have the necessary hours and skills will be eligible to take the exam for Certified Veterinary Assistant (CVA) Level One.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*
- *Industry-Based Certification available.*

Agricultural Technology & Mechanical Systems

Agriculture Mechanics & Metal Technologies

Credit: 1

Grade: 10-12

PEIMS #13002200

Course 8054

Agricultural Mechanics & Metal Technology is designed to introduce career opportunities in the agricultural power, structural and technical systems. Skills to be developed include an understanding of agricultural mechanics as it relates to safety and skills in tool operation, and metal working techniques. This course will include skills in oxy fuel processes as well as welding. Plumbing, electrical wiring, concrete skills and small engines will be touched on as well. The OSHA 10-hour Construction certification will be completed.

- *There may be costs associated with taking this course.*
- *Safety certification available.*

Agricultural Structures Design & Fabrications/Lab

Credit: 2

Grade: 11-12

PEIMS #13002310

Course 8077

Prerequisite(s): Credit for Agricultural Mechanics & Metal Technologies, Student Enrollment Request including Industry Safety Standards

Agricultural Structures Design & Fabrication is a second-year agricultural mechanics class that immerses the student in the welding industry. This double-blocked class will allow students to plan, budget, acquire materials and build metal projects. Students will be immersed in SMAW, GMAW as well as some GTAW processes along with varied levels of welding positions and weld joints aligned with American Welding Society standards.

- *There may be costs associated with taking this course.*
- *Industry-Based Certification available.*

Practicum in Agriculture, Food, and Natural Resources: Agricultural Technology and Mechanical Systems

Credit: 2

Grade: 12

PEIMS #13002500

Course 8078

Prerequisite(s): Credit for Agricultural Structures Design & Fabrications/Lab, Student Enrollment Request Including Industry Safety Standards

Practicum provides a unique experience that allows students the opportunity to participate in a learning environment that combines classroom instruction with real business and/or industry career experiences. Larger, more complex metal fabrication projects may be constructed. Students will gain academic and career preparation to pursue high demand and high skill careers. Students will continue the industry certification process with the American Welding Society.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*
- *Industry-Based Certification available.*

Plant Science: Floral Design

Floral Design

Credit: 1

Grade: 10-12

PEIMS #13011800

Course 8051

Floral Design prepares students to design and arrange flowers, foliage, and related plant materials for interior locations. They will learn to handle, care for, and identify flowers and foliage plants; create contemporary and specialty floral items; develop knowledge of sound business management practices; and explore careers in the floral industry.

- *This course can substitute for a fine arts graduation requirement.*
- *There is a cost associated with taking this course.*
- *Industry-Based Certification available.*

Advanced Floral Design

Credit: 1

Grade: 11-12

PEIMS #N1300270

Course 8053

Prerequisite(s): Floral Design, Student Enrollment Request

Advanced Floral Design is designed to allow students to further study the floriculture industry. Most of the time will be spent on lecture, projects, and floral events. Workplace skills will be taught along with keeping a record of proficiencies accomplished with the students' projects. Community service and participation in floral event experiences will be required to allow the student to experience the industry firsthand.

- *There is a cost associated with taking this course.*
- *Industry-Based Certification available.*

Practicum in Agriculture, Food, and Natural Resources: Floral Design

Credit: 2

PEIMS #13002500

Grade: 12

Course 8079

Prerequisite(s): Advanced Floral Design or Horticulture Science/Floral Design, Student Enrollment Request

Practicum provides a unique experience that allows students the opportunity to participate in a learning environment that combines classroom instruction with real business and industry career experiences. Students will gain academic and career preparation to pursue high demand and high skill careers.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*
- *Industry-Based Certification available.*

Architecture and Construction

Architectural Drafting & Design: Architecture

Principles of Architecture and Interior Design

Credit: 1

PEIMS #13004210

Grade: 9

Course 8311

Principles of Architecture Design and Interior Design provides an overview to the various fields of architecture, interior design and construction management. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, education, and career information to set and achieve realistic career and educational goals. Job specific training can be provided through training modules that identify career goals in trade and industry areas. Classroom studies include topics such as safety, work ethics, communication, information technology applications, systems, health, environment, leadership, teamwork, ethical and legal responsibility, employability, and career development and include skills such as problem solving, critical thinking, and reading technical drawings.

Architectural Design I

Credit: 1

PEIMS #13004600

Grade: 10-12

Course 8307

Architectural Design I introduces students to architectural design, drafting and construction science. Students will use Autodesk software to produce a full set of residential architectural plans.

Architectural Design II

Credit: 2

PEIMS #13004700

Grade: 11-12

Course 8308

Prerequisite(s): Architectural Design I or Interior Design II, Student Enrollment Request

Architectural Design II is a continuation of Architectural Design I providing an opportunity for students to advance their skills in architectural drafting utilizing AutoCAD and Revit software. Students will use software to create plans and renderings.

- *Industry-Based Certification available.*

Practicum in Architectural Design

Credit: 2

PEIMS #13004800

Grade: 12

Course 8305

Prerequisite(s): Architectural Design II or Interior Design/Architectural Design I, Student Enrollment Request

Practicum provides a unique experience that allows students the opportunity to participate in a learning environment that combines classroom instruction with real business and industry career experiences. Students will gain academic and career preparation to pursue high demand and high skill careers.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*
- *Industry-Based Certification available.*

Architectural Drafting & Design: Interior Design

Interior Design I

Credit: 1

PEIMS #13004300

Grade: 10-12

Course 8161

Prerequisite(s): Algebra I and English I

Recommended Prerequisite(s): Principles of Architecture and Interior Design

Interior Design I will focus on the design of residential and nonresidential interior environments and is aligned to industry standards. Topics such as housing and human needs, fundamentals of interior design, space planning/zoning and codes, architectural drawings, historical architecture, building and construction design styles, material/furniture/fixture/accessory selection, history and furniture construction, lighting, 3D visual communications, and professional practices will be covered.

Interior Design II**Credit: 2****PEIMS #13004400****Grade: 11-12****Course 8162***Prerequisite(s): Interior Design I, English II, Geometry*

Interior Design II is a technical laboratory course that includes the application of the employability characteristics, principles, processes, technologies, communication, tools, equipment and materials related to interior design to meet industry standards. Students will gain advanced industry knowledge in furniture repair and upholstery. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

- *Industry Certificate available.*

Practicum in Interior Design**Credit: 2****PEIMS #13004500****Grade: 12****Course 8163***Prerequisite(s): Interior Design II, Student Enrollment Request*

Practicum in Interior Design is a lab-based course for the self-driven student looking to continue their post high school interior design career. Practicum provides a unique experience that allows students the opportunity to participate in a lab-based learning environment to produce interior design projects as well as gain business and industry career experiences. Students will be expected to develop knowledge and skills related to housing, furnishings, and equipment construction or equipment management and services.

- *A single credit option is available in cases where there are scheduling conflicts*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*
- *Industry-Based Certification available.*

Carpentry: Construction*CPHS & GHS***Principles of Construction****Credit: 1****PEIMS #13004220****Grade: 9-10****Course 8358**

Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. The curriculum is a modular, competency-based program that enables students to earn an industry recognized certification.

- *There may be costs associated with taking this course.*
- *Safety and Industry-based Certification available*

*CPHS & GHS***Construction Technology I****Credit: 2****PEIMS #13005100****Grade: 10-12****Course 8359***Prerequisite(s): Credit for Principles of Construction, Student Enrollment Request Including Industry Safety Standards*

In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. The curriculum is a modular, competency-based program that enables students to earn an industry recognized certification.

- *There may be costs associated with taking this course.*
- *Industry-Based Certification available.*

*CPHS & GHS***Construction Technology II****Credit: 2****PEIMS #13005200****Grade: 11-12****Course 8355***Prerequisite(s): Credit for Construction Technology I, Student Enrollment Request Including Industry Safety Standards*

In Construction Technology II, students will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians, or supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills. The curriculum is a modular, competency-based program that enables students to earn an industry recognized certification.

- *There may be costs associated with taking this course.*
- *Industry-Based Certification available.*

Practicum in Construction Technology**Credit: 2****PEIMS #13005250****Grade: 12
Course 8360***Prerequisite(s): Credit for Construction Technology II, Student Enrollment Request Including Industry Safety Standards*

In Practicum in Construction Technology, students will be challenged with the application of knowledge and skills gained in previous construction-related coursework. The Practicum can be either school lab based or work based.

- A single credit option is available in cases where there are scheduling conflicts.
- Students are required to provide their own transportation for individual practicum experiences.
- There may be costs associated with taking this course.
- Safety Certification available.

Electrical

LHS

Electrical Technology I**Credit: 1****PEIMS #13005600****Grade: 9-10
Course 8350**

In Electrical Technology I, students will gain knowledge and skills needed to enter the workforce as an electrician or building maintenance supervisor, prepare for a postsecondary degree in a specified field of construction or construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, and the reading of electrical drawings, schematics, and specifications. The curriculum is a modular, competency-based program that enables students to earn an industry recognized certification.

- There may be costs associated with taking this course.
- Safety and Industry-based Certification available.

LHS

Electrical Technology II**Credit: 2****PEIMS #13005700****Grade: 10-12
Course 8351***Prerequisite(s): Credit for Electrical Technology I, Student Enrollment Request Including Industry Safety Standards*

In Electrical Technology II, students will gain advanced knowledge and skills needed to enter the workforce as an electrician, a building maintenance technician, or a supervisor; prepare for a postsecondary degree in a specified field of construction or construction management; or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, alternating current and direct current motors, conductor installation, installation of electrical services, and electric lighting installation. The curriculum is a modular, competency-based program that enables students to earn an industry recognized certification.

- There may be costs associated with taking this course.
- Industry-Based Certification available.

LHS

Practicum in Construction Technology I: Electrical**Credit: 2****PEIMS #13005250****Grade: 11-12
Course 8352***Prerequisite(s): Credit for Electrical Technology II, Student Enrollment Request Including Industry Safety Standards*

In Practicum in Construction Technology I: Electrical, students will be challenged with the application of knowledge and skills gained in previous electric-related coursework in a lab setting. The curriculum enables students to earn an industry recognized certification.

- A single credit option is available in cases where there are scheduling conflicts.
- Students are required to provide their own transportation for individual practicum experiences.
- There may be costs associated with taking this course.
- Safety and Industry-Based Certification available.

LHS

Practicum in Construction Technology II: Electrical**Credit: 2****PEIMS #13005250****Grade: 12
Course 8353***Prerequisite(s): Credit for Practicum in Construction Technology I: Electrical, Student Enrollment Request Including Industry Safety Standards*

In Practicum in Construction Technology II: Electrical, students will be challenged with the application of knowledge and skills gained in previous electric-related coursework. The Practicum can be either school lab based or work based. The curriculum enables students to earn an industry recognized certification.

- A single credit option is available in cases where there are scheduling conflicts.
- Students are required to provide their own transportation for individual practicum experiences.
- There may be costs associated with taking this course.
- Industry-Based Certification available.

HVAC

LHS

Electrical Tech I - ACC Dual Credit (HART 1401)

Credit: 1

PEIMS #13005600

Grade: 11-12

Course 8401DC

Prerequisite(s): ACC Dual Credit Enrollment Process

Electrical Tech I (HART 1401) is taught by an adjunct ACC professor and is scheduled during the regular school day. Students who complete HART 1401 will receive high school Electrical Technology I credit. Students must make at least a 70 to receive high school credit.

LHS

HVAC I - ACC Dual Credit (HART 1407 & 1403)

Credit: 1

PEIMS #13005800

Grade: 11-12

Course 8402DC/8403DC

Prerequisite(s): ACC Dual Credit Enrollment Process

HVAC I (HART 1407 & 1403) is taught by an adjunct ACC professor and is scheduled during the regular school day. Students who complete (HART 1407 & 1403) will receive high school HVAC I credit. Students must make at least a 70 to receive high school credit.

LHS

CTE Project-Based Capstone: HVAC - ACC Dual Credit (HART 1441)

Credit: 1

PEIMS #12701101

Grade: 11-12

Course 8406DC

CTE Project-Based Capstone HVAC (HART 1441) is taught by an adjunct ACC professor and is scheduled during the regular school day. Students who complete HART 1441 will receive high school CTE Project-Based Capstone credit. Students must make at least a 70 to receive high school credit.

Arts, A/V Technology and Communications

Principles of Arts, A/V, and Communications: Graphic Design, Fashion Design, Animation

Credit: 1

PEIMS #13008200

Grade: 9

Course 8464

Principles of Arts, Audio/Video Technology, and Communications allows students to explore and understand the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. Students will be introduced to topics such as audio/video production, graphic design and illustration, and animation.

Professional Communications

Credit: ½

PEIMS #13009900

Grade: 9-12

Course 8478

Professional Communications is designed to develop effective communication for careers in leadership development systems. Students will develop creative methods to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research in a professional manner. Various processes such as verbal and nonverbal communication will be demonstrated. Students will also learn effective communication strategies through leadership roles.

Graphic Design & Interactive Media: Graphic Design and Illustration

Graphic Design and Illustration I

Credit: 1

PEIMS #13008800

Grade: 10-12

Course 8456

Graphic Design and Illustration I is a hands-on, lab-based class where students will learn the fundamental principles and techniques of graphic design and illustration using professional software. Students will develop their skills in image editing, illustration techniques, and design principles. Students will develop an electronic portfolio to document their skills.

Graphic Design and Illustration/Lab II

Credit: 2

PEIMS #13008910

Grade: 11-12

Course 8475

Prerequisite(s): Graphic Design and Illustration I

Graphic Design and Illustration II builds on the foundations of Graphic Design I to teach students advanced skills in design thinking, problem-solving, and creative execution. Students will learn to interpret, evaluate and make ethical design decisions while producing innovative projects using professional software. Students will develop an electronic portfolio to document mastery of skills.

- *Industry-Based Certification available.*

Practicum in Graphic Design and Illustration

Credit: 2

PEIMS #13009000

Grade: 12

Course 8480

Prerequisite(s): Graphic Design and Illustration II, Student Enrollment Request

Practicum in Graphic Design and Illustration spans all aspects of the advertising and visual communications industry. Within this context, in addition to developing technical knowledge and skills needed for success. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Students will develop an electronic portfolio to document mastery of skills.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*
- *Industry-Based Certification available.*

Graphic Design & Interactive Media: Animation

Animation I

Credit: 1

PEIMS #13008300

Grade: 10-12

Course 8455

Animation I will allow students to demonstrate creative thinking and develop innovative projects in 2D animation and motion graphics, incorporating design principles and image editing. The course will focus on the concepts, principles, processes, and practice of designing, planning and producing 2D animations using Adobe Animate and After Effects. Students will work independently as well as collaboratively to produce projects. Students will develop an electronic portfolio to document their skills.

- *Industry-Based Certification available.*

Animation/Lab II

Credit: 2

PEIMS #13008410

Grade: 11-12

Course 8476

Prerequisite(s): Animation I

Animation II will allow students to develop advanced knowledge and skills that build on what was learned in Animation 1 with an emphasis on 3D animation. Students will receive an introduction to industry standard software, Autodesk 3DS Max. Curriculum will mirror professional development pipeline including modeling, texture creation, rigging, animation and rendering. including 3D modeling, gaming, animation, 3D printing and rendering. Students will develop an electronic portfolio to document mastery of skills.

- *Industry-Based Certification available.*

Practicum in Animation

Credit: 2

PEIMS #13008450

Grade: 12

Course 8481

Prerequisite(s): Animation II

Careers in animation span all aspects of the arts, audio/video technology, and communications industry. Building upon the concepts taught in Animation I & II and its corequisite Animation II Lab, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production animation and motion graphics in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Students will develop an electronic portfolio to document their mastery.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*

Graphic Design & Interactive Media: Fashion Design

Fashion Design I

Credit: 1

PEIMS #13009300

Grade: 10-12

Course 8174

Students will gain knowledge and experience of all aspects of the fashion industry with an emphasis on textiles, apparel, design and construction. Students will develop professional standards and employability skills as required in the Fashion Industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

- *There may be costs associated with taking this course.*

Fashion Design II

Credit: 2

PEIMS #13009400

Grade: 11-12

Course 8175

Prerequisite(s): Fashion Design I

Fashion Design II is a hands-on lab-based class focused on building advanced knowledge and skills in all areas of the fashion design industry. Students will create a portfolio of fashion designs and further develop skills learned in Fashion Design 1 to produce creative construction products using current industry practices and technologies. Students will explore careers in the industry and other business aspects of the fashion industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

- *There may be costs associated with taking this course.*

Practicum in Fashion Design

Credit: 2

PEIMS #13009500

Grade: 12

Course 8176

Prerequisite(s): Fashion Design II, Student Enrollment Request

Practicum in Fashion Design continues to prepare students for careers in all aspects of the fashion apparel industries. Practicum provides a unique experience that allows students the opportunity to participate in a lab-based learning environment to produce fashion, textile, and apparel projects as well as gain business and industry career experiences. Students will also focus on fashion promotion, marketing, and retailing concepts.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*
- *Industry-Based Certification available.*

Digital Communications: Audio/Video Productions

Audio/Video Production I

Credit: 1

PEIMS #13008500

Grade: 9-11

Course 8470

Prerequisite(s): Student Interest Form

Audio/Video Production I contains two focuses; Film Production and Broadcasting. Students will develop skills for broadcast including on-air work, in-depth research for news and features, conducting interviews, news writing, as well as filming and editing video and audio footage. Objectives include understanding management and production of the broadcast using editorial judgment and journalistic integrity, as well as working within the time constraints and meeting consistent deadlines. The film focus is geared towards understanding narrative or theme-based video projects that contain increasing levels of quality and complexity, as new skills and concepts are introduced. Students in both areas will become proficient in equipment and software used throughout the production process including digital recording devices like HD cameras, microphones, A/V mixing boards as well as professional level Adobe editing software.

Audio/Video Production/Lab II

Credit: 2

PEIMS #13008610

Grade: 10-12

Course 8474

Prerequisite(s): Audio Video Production I, Student Enrollment Request

Audio/Video Production I contains two focuses; Film Production and Broadcasting. Students will develop skills for broadcast including on-air work, in-depth research for news and features, conducting interviews, news writing, as well as filming and editing video and audio footage. Objectives include understanding management and production of the broadcast using editorial judgment and journalistic integrity, as well as working within the time constraints and meeting consistent deadlines. The film focus is geared towards understanding narrative or theme-based video projects that contain increasing levels of quality and complexity, as new skills and concepts are introduced. Students in both areas will become proficient in equipment and software used throughout the production process including digital recording devices like HD cameras, microphones, A/V mixing boards as well as professional level Adobe editing software.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Industry-Based Certification available*

Practicum in Audio/Video Production I

Credit: 2

PEIMS #13008700

Grade: 11-12

Course 8483

Prerequisite(s): Audio/Video Production II, Student Enrollment Request

Careers in audio/video span all aspects of the industry. Within this context, students will develop 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. Learning will be framed around student-led capstone projects, workplace visits, and other work-based opportunities. Students will demonstrate mastery across a wide variety of skills related to the production process. Students are expected to be self-motivated, self-directed, task-oriented, and meet hard deadlines.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *Industry-Based Certification available.*

Practicum in Audio/Video Production II

Credit: 2

PEIMS #13008710

Grade: 12

Course 8488

Prerequisite(s): Practicum in Audio/Video Production I, Student Enrollment Request

Prerequisite(s): Practicum in Audio/Video Production I, Student Enrollment Request

Careers in audio/video span all aspects of the industry. Within this context, students will develop 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. Learning will be framed around student-led capstone projects, workplace

visits, and other work-based opportunities. Students will demonstrate mastery across a wide variety of skills related to the production process. Students are expected to be self-motivated, self-directed, task-oriented, and meet hard deadlines.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *Industry-Based Certification available.*

Business, Marketing and Finance

Principles of Business, Marketing and Finance

Credit: 1

Grade: 9

PEIMS #13011200

Course 8250

Principles of Business, Marketing and Finance will provide students with an introductory level of knowledge and skills within the following areas: domestic and global business, forms of business ownership, marketing of goods and services, the marketing mix and sales process, and personal financial management. Within each content area students will be given the opportunity to learn, apply and transfer their academic knowledge and skills while participating in interesting and relevant activities within business, marketing and financial settings.

Business Information Management I (BIM I)

Credit: 1

Grade: 10-12

PEIMS #13011400

Course 8104

BIM I focuses on personal computer applications using Microsoft Windows and Office Suite applications. Students will gain productivity and employability skills as they learn to keyboard by touch and receive hands-on instruction and practice in MS Windows, Word, Excel, PowerPoint and other programs. This course will prepare students for an opportunity supported by the district to sit for the MOS Certification exams in Word, Excel and PowerPoint with a focus on Word and Excel Expert. This course also serves as a recommended prerequisite for many other courses in Business, Marketing, and Finance.

- *Industry-Based Certification available.*

Accounting & Financial Services: Accounting

Accounting I

Credit: 1

Grade: 10-12

PEIMS #13016600

Course 8102

Recommended Prerequisite(s): BIM I or Principles of Business, Marketing and Finance

Accounting I provides students with a thorough background in the basic accounting procedures used to operate a business. The complete accounting cycle is covered for a proprietorship and merchandising corporation. Journalizing, posting, payroll procedures, and preparation of financial statements are a few of the areas studied. The course develops skills, knowledge, and attitudes necessary for individuals to establish an accounting system for a personal business or to further their education in the field of accounting. Students will work with an automated accounting software program.

Accounting II

Credit: 1

Grade: 11-12

PEIMS #13016700

Course 8103

Prerequisite(s): Accounting I

Accounting II expands on the topics covered in Accounting I. Management accounting, cost accounting, not-for-profit accounting, and financial analysis will also be covered. Students will work with an automated accounting software program. This course is recommended for students who plan to major in accounting or some other area of business or law.

- *This course can substitute for a math graduation requirement.*
- *Industry-Based Certification available.*

Practicum in Business Management: Accounting

Credit: 2

Grade: 12

PEIMS #13012200

Course 8268

Prerequisite(s): Accounting II

Practicum provides a unique experience that allows students the opportunity to participate in a learning environment that combines classroom instruction with real business and industry career experiences. Students will gain academic and career preparation to pursue high demand and high skill careers.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*

Accounting & Financial Services: Personal Finance

Money Matters

Credit: 1

Grade: 10-12

PEIMS #13016200

Course 8111

Recommended Prerequisite(s): BIM I

Money Matters is designed to investigate money management from a personal financial perspective. Students will apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will acquire the knowledge and skills necessary to establish and achieve short-term and long-term financial goals through various methods such as Budgeting, Taxes, Banking, Savings, Investments, Credit, Insurance, and Economics.

Security and Investments

Credit: 1

Grade: 11-12

PEIMS #13016400

Course 8106

Prerequisite(s): Money Matters or Accounting I

Students will explore securities and investment products and their relationship to the economy. Students will evaluate the reasons why each investment product is chosen. They will apply this knowledge to build a diversified portfolio in a stock market simulation platform. Mathematical operations and spreadsheet functions will be applied to conduct fundamental analysis, stock and bond valuations, present and future value calculations, and portfolio selection theory. Students will also understand the laws and regulations to be successful in managing business operations and transactions in the securities industry.

Practicum in Business Management: Personal Finance

Credit: 2

Grade: 12

PEIMS #13012200

Course 8269

Prerequisite(s): Securities and Investments

Practicum provides a unique experience that allows students the opportunity to participate in a learning environment that combines classroom instruction with real business and industry career experiences. Students will gain academic and career preparation to pursue high demand and high skill careers.

- A single credit option is available in cases where there are scheduling conflicts.
- Students are required to provide their own transportation for individual practicum experiences.
- There may be costs associated with taking this course.

Business Management

Business Management

Credit: 1

Grade: 10-12

PEIMS #13012100

Course 8107

Recommended Prerequisite(s): BIM I or Principles of Business, Marketing and Finance

Business Management prepares students with knowledge of basic concepts related to business management as well as the functions of management, including planning, organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project-management skills.

Business Law

Credit: 1

Grade: 11-12

PEIMS #13011700

Course 8120

Recommended Prerequisite(s): BIM I

Business Law is designed for students to analyze the social responsibilities of business and industry covering various aspects of the legal environment, including ethics, the judicial system, contracts, personal property, sales, negotiable instruments, agency and employment, business organization, risk management, and real property.

Practicum in Business Management

Credit: 2

Grade: 12

PEIMS #13012200

Course 8122

Prerequisite(s): Two Business Management Courses

Recommended Prerequisite(s): Business Management, Business Law

Practicum provides a unique experience that allows students the opportunity to participate in a learning environment that combines classroom instruction with real business and industry career experiences. Students will gain academic and career preparation to pursue high demand and high skill careers.

- A single credit option is available in cases where there are scheduling conflicts.
- Students are required to provide their own transportation for individual practicum experiences.
- There may be costs associated with taking this course.

Real Estate

Practicum in Business Management: Real Estate

Credit: 2

PEIMS #13012200

Grade: 12

Course 8123

Prerequisite(s): Two Credits from Principles of Business, Marketing and Finance, Business Law, Marketing, Entrepreneurship, or Interior Design I

Recommended Prerequisite(s): Business Law

Practicum provides a unique experience that allows students the opportunity to participate in a learning environment that combines classroom instruction with real business and industry career experiences. Students will gain academic and career preparation to pursue high demand and high skill careers. This course contains the curriculum necessary for students to be successful to meet the requirements of the Texas Real Estate Commission (TREC) to obtain a real estate sales agent license.

- *Students are required to provide their own transportation for individual practicum experiences.*
- *There is a cost associated with taking this course.*
- *Industry-Based Certification available.*

Entrepreneurship

Entrepreneurship

Credit: 1

PEIMS #13011101

Grade: 10-12

Course 8270

In Entrepreneurship, students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students will understand the capital required, the return on investment desired, and the potential for profit.

Entrepreneurship II

Credit: 1

PEIMS #13011102

Grade: 11-12

Course 8271

Prerequisite(s): Entrepreneurship

In Entrepreneurship II, students will work in close cooperation with local industry leaders, community members, and educators to develop ideas and objectives, complete a business model canvas, pitch to potential investors, register with governmental agencies, and develop brand identity. The goal and outcome of the course is to have a business launched by the end of the course or have the tools necessary to launch and operate a business.

Practicum in Entrepreneurship

Credit: 2

PEIMS #13011111

Grade: 12

Course 8272

Prerequisite(s): Entrepreneurship II

Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and professional relationships as a real or simulated business owner versus the experience one would have as an employee. Students will prepare for an entrepreneurial career in their area of interest in their career cluster.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*

Entrepreneurship - INCubatoredu

VHS & VRHS

Entrepreneurship (INCubatoredu)

Credit: 1

PEIMS #13011101

Grade: 11-12

Course 8270

Prerequisite(s): Any CTE course

In Entrepreneurship at VRHS and VHS, the curriculum is called INCubatoredu. The program enriches the student experience by extending the traditional Entrepreneurship course by engaging students with business and industry experts through curriculum lessons, mentorships, and competitive pitches. Students will learn the skills necessary to develop a business idea, build a product or service, measure it through testing with customers, and learn from feedback to move towards viability.

VHS & VRHS

Practicum in Entrepreneurship (ACCEleratoredu)

Credit: 2

PEIMS #13011111

Grade: 12

Course 8272

Prerequisite(s): Entrepreneurship (INCubatoredu)

Students in ACCEleratoredu must have completed INCubatoredu and be a member of a funded business team. This experience models a real-life start-up accelerator. Students are provided the opportunity to take a business from startup to launch.

- *Entrepreneurship II can be used in cases where there are conflicts with scheduling.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*
- *Industry-Based Certification available.*

Marketing and Sales

Marketing

Credit: 1

Grade: 10-12

PEIMS #N1303424

Course 8263

Marketing explores the seven-core functions of marketing which include: planning; information management; pricing; product/service management; promotion; channel management; and selling. Students will demonstrate knowledge in hands-on projects which may include conducting research, creating a promotional plan, pitching a sales presentation and introducing an idea for a new product/service.

Advertising and Social Media Marketing

Credit: 1

Grade: 11-12

PEIMS #13034200/#13034650

Course 8251/8259

Prerequisite(s): Marketing

Advertising and Social Media Marketing is a course where students will learn the fundamentals of advertising and its evolution into the digital age and understand the role of social media in modern advertising. They will explore various advertising channels, including print, broadcast, digital, and social media platforms. With this knowledge, students will implement these ideas to gain hands-on experience by creating integrated brand promotions and social media marketing campaigns. Students will develop a deep understanding of consumer behavior and target audiences and how it influences advertising decisions. Students will analyze case studies of successful and unsuccessful advertising and social media marketing campaigns. Students will learn how to measure the effectiveness of advertising and social media efforts through analytics and key performance indicators (KPIs). Students will practice the art of storytelling and content creation for advertising and social media marketing.

Practicum in Marketing

Credit: 2

Grade: 12

PEIMS #13034800

Course 8260

Prerequisite(s): Advertising/Social Media Marketing or Entrepreneurship

Practicum in Marketing an immersive, hands-on learning experience designed to provide students with a real-world understanding of marketing principles and strategies. This course offers a unique opportunity for students to apply their classroom knowledge in practical marketing settings, gaining valuable insights and skills necessary for a successful career in the field. Students will work on real marketing projects and campaigns to gain practical experience in various marketing domains, including market research, branding, advertising, and digital marketing. Through working with industry partners, Practicum in Marketing will enhance your ability to communicate marketing strategies effectively through presentations, reports, and client interactions. It will equip you with the practical experience and skills needed to excel in the marketing industry, setting you on a path to becoming a competent and competitive marketing professional. Embrace this unique opportunity to bridge the gap between theory and practice in marketing.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*

Education and Training

Teaching and Training

Principles of Education and Training (Ready, Set, Teach I)

Credit: 1

Grade: 9-12

PEIMS #13014200

Course 8177

The Principles of Education and Training course (Ready, Set, Teach I) prepares students for careers related to teaching, coaching, or other fields in education such as counseling, speech pathology, special education, and instructional aides. By working with students, planning and teaching lessons, and assisting with other teacher responsibilities, students will gain real world experience in the classroom. Students will be provided observation and internship opportunities within local schools.

- *There may be costs associated with taking this course.*

Instructional Practice (Ready, Set, Teach II)

Credit: 2

Grade: 10-12

PEIMS #13014400

Course 8181

Prerequisite(s): Principles of Education and Training (Ready, Set, Teach I) or Human Growth and Development

Instructional Practice (Ready, Set, Teach II) covers a variety of topics including learning processes, special education, classroom management, college and career exploration, workplace ethics and lesson planning. Students will experience an extended field-based internship during this course with a certified cooperating teacher in local elementary or middle schools. A portfolio that will serve as a resource for teaching will be completed throughout the year. Participants of the Teaching & Training program are guaranteed a job interview with LISD upon completing a teacher certification program.

- *Students may be required to provide their own transportation for individual experiences.*
- *There may be costs associated with taking this course.*
- *Industry-Based Certification available.*

Practicum in Education and Training I & II (Ready, Set, Teach III & IV)

Credit: 2

PEIMS #13014500

PEIMS #13014510

Grade: 11-12

Course 8180

Course 8186

Prerequisite(s): Instructional Practice (Ready, Set, Teach II)

Practicum in Education and Training (Ready, Set, Teach III & IV) is a field-based internship that provides students background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students will participate in an extended internship with a certified cooperating teacher in local elementary or middle schools. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel. Participants of the Teaching & Training program are guaranteed a job interview with LISD upon completing a teacher certification program.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*
- *Industry-Based Certification available.*

Engineering

Engineering Foundations

Introduction to Engineering Design (PLTW)

Credit: 1

PEIMS #N1303742

Grade: 9-11

Course 8310

Introduction to Engineering Design allows students to gain knowledge and skills in the application, design, production and assessment of products, services, and systems. Students explore the design process and its applications to engineering and technological activities. Models of product solutions are created, analyzed, and communicated using solid modeling computer design software.

- *Industry-Based Certification available.*

Digital Electronics (PLTW)

Credit: 1

PEIMS #13037600

Grade: 10-12

Course 8315

Prerequisite(s): Introduction to Engineering Design, Algebra I and Geometry

Digital Electronics includes the application of electronic logic circuits and devices, and application of Boolean logic to the solution of problems. Students will test and analyze simple and complex digital circuits. Students will also design circuits, simulate their circuits using circuit design software and construct the design using integrated circuits and other components.

- *This course can substitute for a math graduation requirement.*

Aerospace Engineering (PLTW)

Credit: 1

PEIMS #N1303745

Grade: 10-12

Course 8319

Prerequisite(s): Introduction to Engineering Design, Algebra I

Aerospace Engineering propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. Students learn basic orbital mechanics using industry-standard software and analyze aircraft structural components using computer aided design (CAD) simulation software.

Computer Integrated Manufacturing (PLTW)

Credit: 1

PEIMS #N1303748

Grade: 11-12

Course 8312

Prerequisite(s): Introduction to Engineering Design, Algebra I

Computer Integrated Manufacturing allows students to build upon their Computer Aided Design (CAD) experience through the use of Computer Aided Manufacturing (CAM) software. CAM transforms a digital design into a program that a Computer Numerical Controlled (CNC) mill uses to transform a block of raw material into a product design by a student. Students learn and apply concepts related to integrating robotic systems such as Automated Guided Vehicles (AGV) and robotic arms into manufacturing systems.

Engineering Science (PLTW)

Credit: 1

PEIMS #13037500

Grade: 11-12

Course 8314

Prerequisite(s): Introduction to Engineering Design; Algebra I; and Biology, Chemistry, IPC or Physics

Engineering Science is a broad-based survey course designed to help students understand the field of engineering and engineering technology and its career possibilities. Students will develop engineering problem solving skills and explore various engineering systems and manufacturing processes. They will also learn how engineers address concerns about the social and political consequences of technological change.

- *Students in 10th grade can take this course if they have credit for Introduction to Engineering Design and have credit or concurrent enrollment in a physics course.*
- *This course can substitute for a science graduation requirement.*

Practicum in Science, Technology, Engineering, and Mathematics (STEM): Engineering

Credit: 2

PEIMS #13037400

Grade: 12

Course 8320

Prerequisite(s): Engineering Science, Aerospace Engineering, Digital Electronics or Computer Integrated Manufacturing

The STEM Career Cluster focuses on planning, managing, and providing scientific research and professional and technical services such as physical science, social science, engineering, including laboratory and testing services, and research and development services. Practicum in STEM is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*
- *Industry-Based Certification available.*

Health Science

Anatomy and Physiology

Credit: 1

PEIMS #13020600

Grade: 11-12

Course 8207

Prerequisite(s): Biology and Chemistry

Anatomy and Physiology is designed for students interested in biological, medical, and health-oriented programs. Students will study the structures and functions of the human body. The body's systems will be investigated as to the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. The topics will be presented through an integration of biology, chemistry, and physics. In this laboratory course, the students conduct laboratory investigations, perform dissections, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Anatomy and Physiology will involve the in-depth study of topics, including high level thinking skills in both laboratory exercises and assessment. The student will be expected to conduct research.

- *This course is an approved science course and can count towards a graduation requirement.*

Medical Microbiology

Credit: 1

PEIMS #13020700

Grade: 11-12

Course 8209

Prerequisite(s): Biology and Chemistry

Medical Microbiology is a course in which students conduct laboratory investigations to study the relationships of microorganisms to wellness and disease. Students will develop knowledge and skills related to disease prevention by learning the chain of infection, asepsis, and standard precautions. Pathogenic and nonpathogenic organisms will be identified to assist in the understanding of specific diseases, causative agents, and treatment options.

- *This course is an approved science course and can count towards a graduation requirement.*

Biomedical Science

GHS, RHS, VHS & VRHS

Principles of Biomedical Science (PLTW)

Credit: 1

PEIMS #N1302092

Grade: 9-11

Course 8321

Prerequisite(s): Credit for or concurrent enrollment in Biology

Principles of Biomedical Sciences serves to provide foundational knowledge and skills in fields such as biology, anatomy & physiology, genetics, microbiology and epidemiology as well as engage students in how this content can be applied to real-world situations, cases, and problems. This course is designed to provide an overview of all the courses in the biomedical science program and lay the scientific foundation for subsequent courses.

GHS, RHS, VHS & VRHS

Human Body Systems (PLTW)

Credit: 1

PEIMS #N1302093

Grade: 10-12

Course 8322

Prerequisite(s): Principles of Biomedical Sciences

Human Body Systems provides foundational knowledge and skills in anatomy and physiology, clinical medicine, and laboratory research. The course engages students in how this content can be applied to real-world situations, cases, and problems. The HBS course includes interviews, challenges, and testimonials from biomedical professionals in a variety of settings—clinical, research, and public health. Through both individual and collaborative team activities, projects, and problems, students tackle real-world challenges that biomedical professionals face in the field.

GHS, RHS, VHS & VRHS

Medical Interventions (PLTW)

Credit: 1

PEIMS #N1302094

Grade: 11-12

Course 8323

Prerequisite(s): Principles of Biomedical Science; Human Body Systems or Anatomy and Physiology

Medical Interventions is a molecular biology based biotechnology course that allows students to follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. This course will cover the knowledge and skill sets to prepare students to take the Biotechnician Assistant Credentialing Exam (BACE).

- *Industry-Based Certification available.*

GHS, RHS, VHS & VRHS

Scientific Research and Design: Biomedical Science

Credit: 1

PEIMS #13037200

Grade: 12

Course 8326

Prerequisite(s): Medical Interventions, Student Enrollment Form

Scientific Research and Design: Biomedical Science is designed for the independent, self motivated student who will work independently in further investigations of biomedical sciences. This may include a combination of the following: pursuing career certification such as laboratory safety (OSHA 10 healthcare), workplace safety, and laboratory techniques (BACE). Then studies in career investigation and building soft skills for employment. The student will plan, manage, and participate in scientific research. If a connection is made with an industry mentor or collaboration with laboratory industry for experiences. including laboratory, engineering, testing. Other pursuits may include researching post secondary opportunities, applying for grants and scholarships to support those opportunities. Workplace tours or shadowing is based on availability and access. Studies may include Health Occupation Students of America (HOSA) projects and competition. (internship option for this course would be limited to only one class period)

- *Practicum is STEM: Biomedical Science is a double credit option that can be used for unique work-based learning experiences.*
- *Students are required to provide their own transportation for individual research or practicum experiences.*
- *There may be costs associated with this course.*
- *Industry-Based Certification available.*

Diagnostic & Therapeutic Services: Healthcare

CPHS & LHS

Principles of Health Science

Credit: 1

PEIMS #13020200

Grade: 9-11

Course 8200

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 healthcare industry. Course content includes interpersonal relationships, anatomy and physiology, ethical/legal responsibilities, health care team concept, medical terminology, basic medical emergency practices, and investigation of various health service-related careers.

CPHS & LHS

Medical Terminology

Credit: 1

PEIMS #13020300

Grade: 10-12

Course 8205

Recommended Prerequisite(s): Biology or concurrent enrollment in Chemistry

Medical Terminology is a course that uses the human body as a guide to familiarize students with the medical language. Students will learn the human body systems, medical procedures and pathological conditions, and practice using related vocabulary, word parts, and abbreviations.

CPHS & LHS

Health Science Theory

Credit: 1

Grade: 11-12

PEIMS #13020400

Course 8203

Recommended Prerequisite(s): Medical Terminology and/or Principles of Health Science

The Health Science Theory course will provide students the opportunity to develop advanced knowledge related to a wide variety of health careers, anatomy & physiology, and healthcare skills. Students will learn through lab-based settings and hands-on experiences. Skills will include taking vital signs, infection control techniques, demonstrating proper body mechanics, first aid, and CPR.

- *There may be costs associated with taking this course.*
- *Safety and I Certifications available.*

CPHS & LHS

Practicum in Health Science: Medical Assistant

Credit: 2

Grade: 12

PEIMS #13020500

Course 8204

Prerequisite(s): Health Science Theory, Student Enrollment Request

Recommended Prerequisite(s): Principles of Health Science and Medical Terminology

Practicum in Health Science: Medical Assistant is a course designed to give students practical application of previously studied knowledge and skills. Practicum provides a unique experience that allows students the opportunity to participate in a learning environment that combines classroom instruction with real business and industry career experiences in a professional medical setting. There is an emphasis on phlebotomy, vital signs, EKG, assessment, point of care testing, billing and coding, and other office administration skills.

- *There is a cost associated with taking this course.*
- *Safety and Industry-Based Certifications available.*

CPHS

Practicum in Health Science: Pharmacy Technician

Credit: 2

Grade: 12

PEIMS #13020500

Course 8211

Prerequisite(s): Health Science Theory, Student Enrollment Request

Recommended Prerequisite(s): Principles of Health Science and Medical Terminology

Practicum in Health Science- Pharmacy Technician is a course designed to give students practical application of previously studied knowledge and skills. Practicum provides a unique experience that allows students the opportunity to participate in a learning environment that combines classroom instruction with real business and industry career experiences in a professional medical setting. There is an emphasis on inventory management, pharmacy law, patient safety, and the medication dispensing process: receipt and input of prescription requests, accurate measurement of medication amounts, establishing and maintaining patient records, billing and coding. This course is aligned with the standards of the national certification exams that students will be eligible to take to become certified pharmacy technicians upon graduation.

- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*
- *Safety and Industry-Based Certifications available.*

Exercise Science, Wellness & Restoration

Kinesiology I

Credit: 1

Grade: 10-12

PEIMS #N1302104

Course 8206

Recommended Prerequisite(s): Biology and Lifetime Nutrition, Wellness & Interpersonal Studies

Kinesiology I is designed to introduce students to the basic concepts of kinesiology. Students will gain an understanding of body mechanics, physiological functions of muscles and movements, the history of kinesiology, and the psychological impact of sports and athletic performance.

Kinesiology II

Credit: 1

Grade: 11-12

PEIMS #N1302124

Course 8210

Prerequisite(s): Kinesiology I

Kinesiology II is designed to provide students an advanced level of knowledge, skills, and understanding of body composition and the effect on health, nutritional needs of physically active individuals, qualitative biomechanics, application of therapeutic modalities, appropriate rehabilitation services, and aerobic training intensity programs.

- *Industry-Based Certification available*

Practicum in Entrepreneurship: Exercise Science**Credit: 2****PEIMS #13011111****Grade: 12****Course 8274***Prerequisite(s): Two credits in Exercise Science Program of Study, Student Enrollment Request*

Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and professional relationships as a real or simulated business owner versus the experience one would have as an employee. Students will prepare for an entrepreneurial career in their area of interest in their career cluster.

- A single credit option is available in cases where there are scheduling conflicts.
- Students are required to provide their own transportation for individual practicum experiences.
- There may be costs associated with this course.

Hospitality and Tourism**Culinary Arts****CPHS & GHS****Introduction to Culinary Arts****Credit: 1****PEIMS #13022550****Grade: 9-11****Course 8154***Prerequisite(s): Student Interest Form*

Introduction to Culinary Arts course is designed for students who are interested in careers in the culinary arts, hospitality, tourism, or restaurant management. The course focuses on food preparation and cooking skills, with a strong emphasis on safety and sanitation. Students will learn how to prepare recipes, use various kitchen equipment and utensils, work as a team, and manage their time effectively.

- Safety certification available.

CPHS & GHS**Culinary Arts****Credit: 2****PEIMS #13022600****Grade: 10-12****Course 8159***Prerequisite(s): Credit for Introduction to Culinary Arts, Student Enrollment Request Including Industry Safety Standards*

Culinary Arts is a more advanced course that explores the principles and fundamentals of cooking and baking, as well as management and production skills. The course is taught in a commercial-grade kitchen, providing students with hands-on experience. Enrollment form required.

- There is a cost associated with taking this course.
- Industry-Based Certification available.

CPHS & GHS**Advanced Culinary Arts****Credit: 2****PEIMS #13022650****Grade: 11-12****Course 8158***Prerequisite(s): Credit for Culinary Arts, Student Enrollment Request Including Industry Safety Standards*

Advanced Culinary Arts is a course that builds on the skills and knowledge gained in the Culinary Arts course. It provides in-depth instruction based on industry standards to prepare students for success in higher education, certifications, or immediate employment. Leadership opportunities are also available for students in this course.

- There is a cost associated with taking this course.

CPHS & GHS**Practicum in Culinary Arts****Credit: 2****PEIMS #13022700****Grade: 12****Course 8156***Prerequisite(s): Credit for Advanced Culinary Arts, Student Enrollment Request Including Industry Safety Standards*

Practicum in Culinary Arts is a unique course that combines classroom instruction with real-world business and industry experiences. The course prepares students with a variety of skills for the rapidly changing workplace by fostering strong partnerships with community businesses. Students will build upon their employability skills to prepare for college and career success. Fee associated with this course.

- A single credit option is available in cases where there are scheduling conflicts.
- There is a cost associated with taking this course.
- Students are required to provide their own transportation for individual practicum experiences.
- Industry-Based Certification available.

Lodging and Resort Management

RHS

Travel and Tourism Management

Credit: 1

Grade: 10-12

PEIMS #13022500

Course 8164

Travel and Tourism Management incorporates management principles and procedures of the travel and tourism industry as well as destination geography, airlines, international travel, cruising, travel by rail, lodging, food and beverage, recreation, amusements, attractions, and resorts. Instruction will also focus on employment qualifications and hospitality industry opportunities. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Safety certification available

RHS

Hospitality Services: Hotel Management

Credit: 2

Grade: 11-12

PEIMS #13022800

Course 8167

Prerequisite(s): Travel & Tourism Management or Introduction to Culinary Arts, Student Enrollment Request

Hospitality Services provides a unique practicum experience that allows students the opportunity to participate in a learning environment that combines classroom instruction with actual business and industry career experiences. Students will gain academic and on the job preparation to pursue high demand and high skill careers in the hospitality and tourism industries. There may be costs associated with taking this course.

Industry-Based Certification available

RHS

Practicum in Hospitality Services

Credit: 2

Grade: 12

PEIMS #13022900

Course 8168

Prerequisite(s): Hospitality Services: Hotel Management, Student Enrollment Request

Practicum in Hospitality Services focuses on the management, marketing, and operations of restaurants and other food/beverage services, lodging, attractions, recreation events, and travel related services. It will provide students with the academic and technical preparation to pursue high demand and high-skill careers in hospitality related industries through a unique internship opportunity. The course integrates both hands-on and project-based instruction. Standards included in the Hospitality Services Practicum course are designed to prepare students for nationally recognized industry certifications, postsecondary education, and entry-level careers as well as the enhancement of the student's employability skills. There may be costs associated with taking this course.

Human Services

Principles of Human Services

Credit: 1

Grade: 9

PEIMS #13024200

Course 8150

Principles of Human Services uses knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, and manage multiple adult roles. This course introduces students to careers in counseling and mental health, child development, family and community, personal care services, social work, education, hospitality and food service, interior design, and fashion. Each student is expected to complete the knowledge and skills essential for success in high-skill, or high demand careers.

Cosmetology and Personal Care Services

LHS

Introduction to Cosmetology/Cosmetology I

Credit: 3

Grade: 11

PEIMS #13025100/#13025200

Course 8376/8399

Prerequisite(s): Student Enrollment Request

Cosmetology II

Credit: 3

Grade: 12

PEIMS #13025310

Course 8380

Prerequisite(s): Cosmetology I

Cosmetology is a planned 1000 clock hour, two-year sequence of classroom and laboratory instruction. Instruction is designed to provide job-specific training for entry-level employment in cosmetology careers. Instruction includes sterilization and sanitation processes, shampooing and rinsing hair, application of conditioning creams and color rinses, application of scalp and hair treatments, shaping and thinning hair, hairstyling, permanent waving, hair coloring, manicuring, and facial massage.

- Due to mandatory state clock-hour requirements, students scheduled in the cosmetology class are required to take “0 hour” on the day their class meets. In addition, cosmetology students must continue attending school in the summer to complete mandatory state clock-hour requirements.
- To participate in the cosmetology program, students must provide their own transportation to LHS (sub-campus students) as well as all required activities associated with the program.
- There is a cost associated with taking this course.
- Safety and Industry-Based Certification available.

Family & Community Services

Human Growth and Development

Credit: 1

Grade: 10-12

PEIMS #13014300

Course 8178

Human Growth and Development is an examination of human development across the lifespan focusing on common physical, cognitive, emotional, and social developmental milestones from conception through death. This course is an introductory course in counseling and mental health, family and community services, and education and training.

Counseling and Mental Health

Credit: 1

Grade: 11-12

PEIMS #13024600

Course 8169

Prerequisite(s): Principles of Human Services, Principles of Health Science, Lifetime Nutrition, Wellness & Interpersonal Studies or Human Growth and Development

Counseling and mental health investigates careers in counseling, mental health and social work. This class explores material in counseling and mental health as it relates to health & wellness across the life span. Students will study the psychological effects of chemical dependency and other mental health issues.

Family and Community Services

Credit: 1

Grade: 11-12

PEIMS #13024900

Course 8170

Prerequisite(s): One credit in Human Services, Education, Culinary Arts, Hospitality, Interior Design or Fashion Design

Family and Community Services is a foundation for careers in social work, counseling and mental health, human services, and community development. Students will plan, develop, implement, and evaluate community and service-learning activities both directly and in-directly that benefit individuals, families, or the community.

- There may be costs associated with taking this course.
- Students may be required to provide their own transportation for individual practicum experiences.

Family and Community Services: Peer Assistance and Leadership I (PALS)

Credit: 1

Grade: 11-12

PEIMS #13024900

Course 8172

Recommended Prerequisite(s): Principles of Human Services, Human Growth and Development

Prerequisite(s): Student Enrollment Request

This course uses the Peer Assistance and Leadership (PALS) curriculum and allows specially trained students to serve as role models and mentors for students in our district. PALS are trained in listening, communication, facilitation, problem solving, and decision-making skills. In addition, PALS participate in various community service projects.

- There is a cost associated with taking this course.
- Students are required to provide their own transportation.

CTE Project-Based Capstone: Peer Assistance and Leadership II (PALS)

Credit: 1

Grade: 12

PEIMS #12701101

Course 8173

Prerequisite(s): Family and Community Services: Peer Assistance and Leadership I (PALS), Student Enrollment Request

This course uses the Peer Assistance and Leadership curriculum and allows specially trained students to serve as role models and mentors for students in our district. PALS are trained in listening, communication, facilitation, problem solving, and decision-making skills. In addition, PALS participate in various community service projects.

- A double credit option is available.
- There is a cost associated with taking this course.
- Students are required to provide their own transportation.

Practicum in Human Services: Family and Community Services

Credit: 2

PEIMS #13025000

Grade: 12

Course 8130

Prerequisite(s): Two credits in human services, education, culinary arts, hospitality, interior design or fashion design

Practicum provides a unique experience that allows students to have the opportunity to work with industry partners and community business to gain work-based learning opportunities within Human Services. Students will gain academic and career preparation to pursue high demand and high skill careers.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*

Health & Wellness

LHS, RHS, VHS & VRHS

Lifetime Nutrition and Wellness & Interpersonal Studies

Credit: 1

PEIMS #1302450/#13024400

Grade: 10-12

Course 8160/8151

Lifetime Nutrition, Wellness & Interpersonal Studies is a year-long culinary lab course emphasizing nutrition. It equips students with the knowledge and skills to make informed decisions that promote lifelong wellness. Instruction focuses on the principles of nutrition, roles of nutrients, digestion, metabolism, balanced diets, lab safety and sanitation, and healthy food preparation techniques. Additionally, students will explore general human development, interpersonal skills, and family studies, which significantly impact overall wellness and quality of life. The course also covers careers in nutrition, counseling, mental health, and other health and human service fields.

- *Safety certification available.*

LHS, RHS, VHS & VRHS

Applied Nutrition and Dietetics

Credit: 1

PEIMS #N1302541

Grade: 11-12

Course 8149

Prerequisite(s): Lifetime Nutrition, Wellness & Interpersonal Studies

Recommended Prerequisite(s): Interpersonal Studies, Human Growth and Development

The Applied Nutrition and Dietetics course is a lab based course that builds on the fundamental knowledge and skills gained from the Lifetime Nutrition, Wellness & Interpersonal Studies course. It emphasizes professional standards, food safety and sanitation, food preparation techniques, service and management, and in-depth nutritional case studies for individuals and groups. The course also introduces career-focused and real-world topics, such as the nutrition care process, various types of nutrition education and counseling, development of nutrition programs, and industry-related research. Students will explore the requirements for becoming professionals in the nutrition and dietetics field, such as registered dietitians, licensed nutritionists, or clinical dietitians.

- *Industry-Based Certification available.*

Practicum in Human Services: Health and Wellness

Credit: 2

PEIMS #13025000

Grade: 12

Course 8171

Prerequisite(s): Two credits in human services, education, culinary arts, hospitality, interior design or fashion design; Student Enrollment Request

Practicum provides a unique experience that allows students the opportunity to participate in a learning environment that combines classroom instruction with real business and industry career experiences. Students will gain academic and career preparation to pursue high demand and high skill careers.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*

Information Technology

Cybersecurity

Foundations of Cybersecurity

Credit: 1

PEIMS #03580850

Grade: 10-12

Course 8447

Prerequisite(s): Computer Science I Advanced or Computer Science Principles AP

In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks.

Cybersecurity Capstone**Credit: 1****PEIMS #03580855****Grade: 11-12****Course 8454***Prerequisite(s): Foundations of Cybersecurity*

Cybersecurity is an evolving discipline concerned with safeguarding computers, networks, programs, and data from unauthorized access. As a field, it has gained prominence with the emergence of a globally- connected society. As computing has become more sophisticated, so too have the abilities of malicious agents looking to penetrate networks and seize private information. By evaluating prior incidents, cybersecurity professionals have the ability to craft appropriate responses to minimize disruptions to corporations, governments, and individuals. In the Cybersecurity Capstone course, students will develop the knowledge and skills needed to explore advanced concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will develop security policies to mitigate risks. The skills obtained in this course prepare students for additional study toward industry certification. A variety of courses are available to students interested in the cybersecurity field. Cybersecurity Capstone may serve as a culminating course in this field of study.

Practicum in Information Technology (IT): Cybersecurity**Credit: 2****PEIMS #13028000****Grade: 12****Course 8128***Prerequisite(s): Cybersecurity Capstone*

The IT Career Cluster focuses on building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services. Practicum in IT is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

- A single credit option is available in cases where there are scheduling conflicts.
- Students are required to provide their own transportation for individual practicum experiences.
- There may be costs associated with taking this course.

*Programming and Software Development: Computer Science Studies***Computer Science Principles AP****Credit: 1****PEIMS #A3580300****Grade: 9-12****Course 8461**

Computer Science Principles AP delves into the five core principles of the AP Computer Science Principles (CSP) curriculum, emphasizing the application of computational concepts through Swift, XCode, AppScript, and JavaScript. Designed to prepare students for the AP CSP exam, it encourages innovative problem-solving through programming. Students gain hands-on experience crafting mobile apps, web-based tools, and automating tasks with these programming languages. This course prepares students to take the AP Exam.

Computer Science I Advanced**Credit: 1****PEIMS #103580200****Grade: 9-12****Course 8450***Prerequisite(s): Algebra I*

Computer Science 1 Advanced is a survey course that explores problem solving from a logical perspective. Students will learn how to dissect complex problems into manageable parts and implement solutions using a variety of tools. Students will also gain a broad knowledge of Computer Science by being introduced to a variety of concepts.

Computer Science A AP**Credit: 1****PEIMS #A3580110****Grade: 10-12****Course 8451***Prerequisite(s): Computer Science I Advanced*

Computer Science A AP offers advanced programming in JAVA to prepare for the Advanced Placement Computer Science A exam. Note: This course can substitute for a mathematics graduation requirement. Please see your school counselor for additional information concerning substitution options/requirements.

Computer Science III**Credit: 1****PEIMS #03580350****Grade: 11-12****Course 8469***Prerequisite(s): Computer Science A AP*

This course further provides students with an in-depth look at the real-world application of advanced topics in computing (dynamic data structures, algorithm efficiency, & human-computer interface design, etc.).

Industry-Based Certification available

LHS & VHS

Computer Science IB SL & HL

Credit: 1

PEIMS #133580200

PEIMS #133580310

Grade: 11-12

Course 8452SL1/8452SL2

Course 8453HL1/8453HL2

The IB Computer Science Program requires an understanding of the fundamental concepts of computational thinking as well as knowledge of how computers and other digital devices operate. The course, underpinned by conceptual thinking, draws on a wide spectrum of knowledge, and enables and empowers innovation, exploration and the acquisition of further knowledge. Students study how computer science interacts with and influences cultures, society and how individuals and societies behave, and the ethical issues involved. During the course the student will develop computational solutions. This course prepares students to take the IB Exam.

- *Computer Science HL IB can substitute for a mathematics graduation requirement. Please see your school counselor for additional information concerning substitution options/requirements.*

Practicum in Information Technology (IT): Computer Science Studies

Credit: 2

PEIMS #13028000

Grade: 12

Course 8127

Prerequisite(s): Two Programming and Software Development/Cybersecurity Courses

The IT Career Cluster focuses on building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services. Practicum in IT is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*

Programming and Software Development: App Development

CPHS, LHS & RHS

Mobile Application Development: MobileMakersEdu

Credit: 1

PEIMS #03580390

Grade: 10-12

Course 8459

Prerequisite(s): Computer Science Principles AP or Computer Science I Advanced

Mobile Application Development is an industry centered course using Swift and Xcode to create apps for Apple's mobile devices. They adopt professional methodologies, fostering skills in teamwork, problem-solving, collaboration, and communication while building progressively more complex apps throughout the program. The focus is on industry-based practicum and certification testing in Swift, preparing students for the real-world. Over two years, MobileMakersEdu instills an entrepreneurial mindset, equipping students with coding and design abilities to bring mobile app ideas to life, alongside valuable industry certifications and career-ready skills.

CPHS, LHS & RHS

Practicum in Information Technology (IT): MobileMakersStudio

Credit: 2

PEIMS #13028000

Grade: 11-12

Course 8126

Prerequisite(s): Mobile Application Development - MobileMakersEdu

MobileMakersStudio is the second-year course where students advance their Swift programming skills and apply design-forward skills to investigate a client need and develop a mobile app solution. Using client management and dev team methods from the industry, students grow their interpersonal and management skills, in a classroom designed to act as a working development studio. Students leave the class internship ready, having worked with clients to create and build an app from ideation to working app.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*
- *Industry-Based Certification available.*

CPHS, LHS & RHS

Practicum in Information Technology (IT): Mobile App Development

Credit: 2

PEIMS #13028010

Grade: 12

Course 8125

Prerequisite(s): Practicum in IT - MobileMakersStudio

Practicum in IT: Mobile App Development is a third-year course that continues to prepare students for careers in all aspects of the App Development Industry including entrepreneurial options. Practicum provides students a unique opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and professional relationships as a real or simulated App Developer. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*

Law and Public Service

GHS

Principles of Law, Public Safety, Corrections, and Security

Credit: 1

Grade: 9

PEIMS #13029200

Course 8363

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

GHS

Law Enforcement I

Credit: 1

Grade: 10-12

PEIMS #13029300

Course 8366

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.

GHS

Law Enforcement II

Credit: 1

Grade: 11-12

PEIMS #13029400

Course 8368

Prerequisite(s): Law Enforcement I

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.

- *Industry-Based Certification available.*

GHS

Criminal Investigations

Credit: 1

Grade: 11-12

PEIMS #13029550

Course 8364

Prerequisite(s): Law Enforcement I

Criminal Investigation is a course that introduces students to the profession of criminal investigations. Students will understand basic functions of criminal investigations and procedures and will learn how to investigate or follow up during investigations. Students will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation. Through case studies and simulated crime scenes, students will collect and analyze evidence such as fingerprint analysis, bodily fluids, hairs, fibers, shoe and tire impressions, bite marks, drugs, tool marks, firearms and ammunition, blood spatter, digital evidence, and other types of evidence.

GHS

Forensic Science

Credit: 1

Grade: 11-12

PEIMS #13029500

Course 8365

Prerequisite(s): Biology and Chemistry

Recommended Prerequisite(s): Law Enforcement I

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science.

- *This course can substitute for a science graduation requirement.*

GHS

Practicum in Law, Public Safety, Corrections, and Security: Law Enforcement

Credit: 2

Grade: 12

PEIMS #13030100

Course 8482

Prerequisite(s): Law Enforcement II or Criminal Investigations or Forensic Science

The Law, Public Safety, Corrections, and Security Career Cluster focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services. The practicum course is designed to give

students supervised practical application of previously studied knowledge and skills in law, public safety, corrections, and security. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

- *A single credit option is available in cases where there are scheduling conflicts.*
- *Students are required to provide their own transportation for individual practicum experiences.*
- *There may be costs associated with taking this course.*

Transportation, Distribution and Logistics

Automotive

RHS

Principles of Transportation Systems

Credit: 1

Grade: 9

PEIMS #13039250

Course 8394

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 explore, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.

- *Safety Certification available.*

RHS

Automotive Basics

Credit: 1

Grade: 10-12

PEIMS #13039550

Course 8390

Automotive Basics includes knowledge of the basic automotive systems and the theory and principles of the components that make up each system and how to service these systems. Automotive Basics includes applicable safety and environmental rules and regulations. In Automotive Basics, students will gain knowledge and skills in the repair, maintenance, and servicing of vehicle systems. This study allows 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. The curriculum is a modular, competency-based program that enables students to earn an industry recognized certification.

- *Safety Certification available.*

RHS

Automotive Technology I: Maintenance and Light Repair

Credit: 2

Grade: 10-12

PEIMS #13039600

Course 8391

Prerequisite(s): Credit for Automotive Basics, Student Enrollment Request Including Industry Safety Standards

Automotive Technology I prepares students with 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. 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 curriculum is a modular, competency-based program that enables students to earn an industry recognized certification.

- *There may be costs associated with taking this course.*
- *Safety and Industry-Based Certifications available.*

RHS

Automotive Technology II: Automotive Service

Credit: 2

Grade: 11-12

PEIMS #13039700

Course 8393

Prerequisite(s): Automotive Technology I. Student Enrollment Request Including Industry Safety Standards

Automotive Technology II prepares students with knowledge of the major automotive systems, principles of diagnosing and servicing these systems, and applicable safety and environmental rules and regulations. 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 curriculum is a modular, competency-based program that enables students to earn an industry recognized certification.

- *There may be costs associated with taking this course.*
- *Industry-Based Certifications available.*

RHS

Practicum in Transportation Systems

Credit: 2

Grade: 12

PEIMS #13040450

Course 8392

Prerequisite(s): Automotive Technology II, Student Enrollment Request Including Industry Safety Standards

Practicum in Transportation Systems 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 experience such as internships, mentorships, independent study, or laboratories. The Practicum can be either school lab based or work based. The curriculum enables students to earn industry recognized certifications.

- A single credit option is available in cases where there are scheduling conflicts.
- There may be costs associated with taking this course.
- Industry-Based Certifications available.

Career Development

CTE Project-Based Capstone I-III

Credit: 1

Grade: 11-12

PEIMS #12701101

Course 8332

PEIMS #12701102

Course 8333

PEIMS #12701103

Course 8334

Prerequisite(s): Instructor Approval

Career and Technical Education Project-Based Capstone is a course designed for students to develop and enhance essential skills while investigating real-world problems, issues, or interests. Students work independently or collaboratively with others within or across career clusters or programs of study. Students partner with mentor(s) or advisor(s) to develop a project. Students conduct research, compile findings, implement project activities appropriate to student contribution, and present their work to a relevant audience that may include industry experts.

- Students are required to provide their own transportation for individual CTE Project-Based Capstone experiences.

Scientific Research and Design I-III

Credit: 1

Grade: 11-12

PEIMS #13037200

Course 3565

PEIMS #13037210

Course 3566

PEIMS #13037220

Course 3567

Prerequisite(s): Biology, Chemistry, IPC or Physics

Scientific Research and Design allows students to conduct laboratory investigations and fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. The student actively formulates a problem related to science, designs the research and procedures to be used, and plans a final product that will involve a formal presentation to representatives of the scientific community.

- This course is an approved science course and can count towards a graduation requirement.

Independent Study in Technology Applications I-III

Credit: 1

Grade: 11-12

PEIMS #03580900

Course 8497

PEIMS #03581000

Course 8498

PEIMS #03581100

Course 8499

Prerequisite(s): Student Enrollment Request

Independent Study in Technology Applications is for students who have reached a high level of achievement in technology applications. Students will independently pursue work in specific topics or events.

Career Preparation General

Credit: 3

Grade: 12

PEIMS #12701131

Course 8335

Career Preparation General provides the opportunity for students to participate in a work-based learning environment that incorporates continuous collaborative feedback between the employer, teacher, and student. This course combines classroom instruction with business and industry employment experiences that may be outside the student's current program of study. The goal is for students to obtain entry-level employment developing a variety of skills for obtaining and maintaining employment. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

- Students have the opportunity to dedicate 2 Career Prep Off Campus periods to their work-based learning experience.
- Students are required to provide their own transportation for individual Career Preparation experiences.

Career Preparation for Programs of Study

Credit: 3

Grade: 12

PEIMS #12701141

Course 8336

Career Preparation for Programs of Study provides the opportunity for students to participate in a work-based learning experience directly related to the student's current program of study. This course combines classroom instruction with relevant business and industry employment experience. The goal is to prepare students with a variety of skills to transition from job- to career-mindedness. This course provides a continuing focus on collaborative feedback between the employer, teacher, and student. Career Preparation for Programs of

Study expands on Career Preparation General by increasing rigor, supporting student attainment of academic standards, and effectively preparing students for college and career success.

- *Students have the opportunity to dedicate 2 Career Prep Off Campus periods to their work-based learning experience.*
- *Students are required to provide their own transportation for individual Career Preparation experiences.*

General Employability Skills

Credit: 1

Grade: 9-12

PEIMS #N1270153

Course 8379

General Employability provides students with knowledge of the prerequisite skill for general employment as well as the means of obtaining those skills. The course includes knowledge, skills, and attitudes that allow employees to get along with their co-workers, make important work-related decisions, and become strong members of the work team. Discovering job possibilities that link skills, abilities, interests, values, needs, and work environment preferences is a part of the process of obtaining employability skills.

Student to Industry Connections

Credit: 1

Grade: 11-12

PEIMS #N1270154

Course 8349

The Student to Industry Connection course provides students with the opportunity to develop professional relationships with experienced individuals within the student's chosen program of study and to demonstrate necessary skills for an online virtual workplace. The central focus of this course is to prepare students to be 21st century career ready through interaction with a seasoned workplace mentor. The course may include a work-based learning component.

Occupational Investigations

Credit: 1

Grade: 9-12

PEIMS #85000OCI

Course 8023

This lab-based course emphasizes achieving proficiency in decision-making and problem-solving as an essential skill for career planning and lifelong learning. Students use self-knowledge, educational, career interest/information, and/or community-based vocational instruction to set and achieve realistic career and educational goals. Students will examine the rights and responsibilities of employees and employers including safety issues and guidelines, compensatory time versus overtime, reasonable work hours, benefits, and withholding (e.g. taxes, social security), social skill development, job search and descriptions, and availability to work. As the student moves through the levels of instruction, skills build and expand to promote transition to independent living and post-school employment.

- *This is a locally developed course and does not meet state credit requirements for graduation.*
- *This course is not used to determine grade point average (GPA).*

Occupational Experience

Credit: 1

Grade: 9-12

PEIMS #85000OCE

Course 8024

Prerequisite(s): Committee Determination

This course is a mix of classroom and onsite work experience designed to prepare students to enter the job market through hands-on study of employment issues including recognizing what skills define particular jobs, the application and interview processes, identifying attributes that enhance employability, ways to locate available jobs, using community services/resources to aid employment, and maintaining a successful job experience. Issues that are introduced to students real-time include safety, understanding job responsibilities, time requirements and management, relationships, task commitment, accepting feedback from persons in positions of authority, leaving a job appropriately, organizational skills, performance and evaluation, conduct, working with customers and acceptance of job requirements. Students explore a variety of jobs and the activities that comprise responsibilities and routines of employment. As the student moves through the levels of instruction, skills build and expand to promote transition to independent living and post-school employment.

- *This is a locally developed course and does not meet state credit requirements for graduation.*
- *This course is not used to determine grade point average (GPA).*

Personal and Social Skills

Credit: 1

Grade: 9-12

PEIMS #85000PSS

Course 8005

Prerequisite(s): Committee Determination

Personal Social Skills emphasizes interpersonal skill development as a Prerequisite(s) to meaningful employment and healthy relationships. Particular attention is placed on the skills of greeting, responding to authority, interpersonal appropriateness, problem-solving, and conflict resolution within a situational context. Use of appropriate techniques is monitored through a variety of instructional settings including home, school, job, and other settings available in the community. Skills of verbal communication, appropriate physical contact and body language, expression of anger or disagreement, reporting inappropriate behaviors of others, and the ability to develop trust and work cooperatively are introduced and frequently reinforced. As the student moves through the levels of instruction, skills build and expand to promote transition to independence in adulthood.

- *This is a locally developed course and does not meet state credit requirements for graduation.*
- *This course is not used to determine grade point average (GPA).*

Skills for Adult Living**Credit: 1****PEIMS #85000SAL****Grade: 9-12****Course 8004***Prerequisite(s): Committee Determination**Prerequisite(s): Committee Determination*

The Activities of Daily Living course is based on alternate academic achievement standards that focuses on the skills needed for meaningful participation in adult living, social/recreation/leisure, and community participation domains. Students learn through activity-based sessions including organizing a daily routine and schedule, cooking, safety, chores, duties, responsibilities, budget, time management, first aid, and communication, health care, transportation, telephone skills, and appropriate recreation activities. Students will develop strategies to respond to potential emergencies that may appear in the process of daily living. As the student moves through the levels of instruction, skills build and expand to promote transition to independent living.

- *This is a locally developed course and does not meet state credit requirements for graduation.*
- *This course is not used to determine grade point average (GPA).*

Vocational Investigations**Credit: 1****PEIMS #85000VOI****Grade: 9-12****Course 8006***Prerequisite(s): Committee Determination*

This lab-based course prepares students to enter the job market through a study of employment issues including recognizing what skills define particular jobs, the application and interview processes, identifying attributes that enhance employability, ways to locate available jobs, using community services/resources to aid employment, and maintaining a successful job experience. Issues that are introduced to students include safety, understanding job responsibilities, time requirements and management, relationships, task commitment, accepting feedback from persons in positions of authority, leaving a job appropriately, organizational skills, performance and evaluation, conduct, working with customers and acceptance of job requirements. Students explore a variety of jobs and the activities that comprise responsibilities and routines of employment. As the student moves through the levels of instruction, skills build and expand to promote transition to independent living and post-school employment.

- *This is a locally developed course and does not meet state credit requirements for graduation.*
- *This course is not used to determine grade point average (GPA).*

Vocational Experience**Credit: 1****PEIMS #85000VOE****Grade: 9-12****Course 8048***Prerequisite(s): Committee Determination*

This course is a mix of classroom and onsite work experience and learning opportunities focused on assisting students in making a smooth transition from academic pursuits to gainful employment. Students will examine the relationship between what is learned in the classroom and how these skills are applied on the job. Learning to apply personal skills through successful employment will be emphasized. Self-discipline is explored in the context of interpersonal skill development and self-awareness. As the student moves through the levels of instruction, skills build and expand to promote transition to independent living and post-school employment.

- *This is a locally developed course and does not meet state credit requirements for graduation.*
- *This course is not used to determine grade point average (GPA).*

COURSE DESCRIPTION INDEX

Use the Programs of Study to locate the sequence of courses required or recommended to complete the Programs of Study. If you are interested in a course description for a specific course, use this index to find the page number for the course description.

A			Art IV: Photography			Computer Science			English for Speakers of Other		
Accounting I	89	Art IV: Printmaking	68	Principles AP	101	Languages II	47				
Accounting II	89	Art IV: Sculpture	68	Construction Technology I	84	English Language Development					
Advanced Animal Science	81	Art: Art History AP	69	Construction Technology II	84	and Acquisition I-II	50				
Advanced Culinary Arts	97	Art: Drawing Portfolio AP	69	Cosmetology II	98	Entrepreneurship	91				
Advanced Floral Design	82	Art: Three-Dimensional Design		Counseling & Mental Health	99	Entrepreneurship					
Advanced Journalism: News		Portfolio AP	69	Creative & Imaginative Writing	51	(INCubatoredu)	91				
Media I-III	50	Art: Two-Dimensional Design		Criminal Investigations	103	Entrepreneurship II	91				
Advanced Journalism: Yearbook		Portfolio AP	69	CTE Project-Based Capstone		Environmental Science AP	57				
Production I-III	50	Art: IB Visual Arts SL & HL	69	I-III	105	Environmental Systems	57				
Advanced Language for Career		Astronomy	57	CTE Project-Based Capstone:		Equine Science & Small Animal					
Applications	66	Athletics	75	HVAC - ACC Dual Credit (HART		Management	80				
Advertising and Social Media		Audio/Video Production I	88	1441)	86	ESL Reading I-III	50				
Marketing	92	Audio/Video Production II	88	CTE Project-Based Capstone: Peer		European History AP	60				
Aerospace Engineering (PLTW)	93	Automotive Basics	104	Assistance and Leadership II							
African American Studies	62	Automotive Technology I:		(PALS)	99	F					
Agricultural Structures Design &		Maintenance & Light Repair	104	Culinary Arts	97	Family & Community Services	99				
Fabrications	82	Automotive Technology II:		Cybersecurity Capstone	101	Family and Community Services:					
Agriculture Mechanics & Metal		Automotive Service	104			Peer Assistance and Leadership					
Technologies	82	AVID I-IV	76	D		I (PALS)	99				
Air Force Junior ROTC I	78	B		Dance Composition Improv I-II	70	Fashion Design I	87				
Air Force Junior ROTC II	78	Band I-IV	71	Dance IB SL & HL	71	Fashion Design II	87				
Air Force Junior ROTC III	79	Biology	54	Dance Performance/Ensemble -		Floral Design	82				
Air Force Junior ROTC IV	79	Biology Advanced	54	Dance Team I-IV	70	Forensic Science	103				
Algebra I	51	Biology AP	54	Dance Performance/Ensemble -		Foundations of Cybersecurity	100				
Algebra I Advanced	51	Biology IB HL	54	Dance Team JV I-IV	70	French I	64				
Algebra II	52	Biology IB SL	55	Dance Performance/Ensemble -		French II	64				
Algebra II Advanced	52	Business Info Management I	89	Team Preparation I-II	70	French II Advanced	64				
Algebraic Reasoning	51	Business Law	90	Dance Wellness I-IV	70	French III Advanced	64				
American Sign Language I	62	Business Management	90	Debate I-III	49	French IV AP	64				
American Sign Language II	62	C		Digital Electronics (PLTW)	93	French IV IB SL & HL	64				
American Sign Language III	63	Calculus AB AP	53	E		French V Advanced	64				
American Sign Language IV	63	Calculus BC AP	53	Earth Systems Science	57	G					
Anatomy & Physiology	94	Career Preparation for Programs		Economics: Free Enterprise	60	General Employability Skills	106				
Animation I	87	of Study	105	Economics - ACC Dual Credit		Geometry	51				
Animation II	87	Career Preparation General	105	(ECON 2301)	60	Geometry Advanced	51				
Applied Nutrition & Dietetics	100	Cheerleading	75	Electrical Tech I - ACC Dual Credit		Graphic Design & Illustration I	86				
Architectural Design I	83	Chemistry	55	(HART1401)	86	Graphic Design & Illustration II	86				
Architectural Design II	83	Chemistry Advanced	55	Electrical Technology I	85						
Art I	66	Chemistry AP	55	Electrical Technology II	85	H					
Art I: Art Appreciation	66	Chemistry IB HL	55	Engineering Science (PLTW)	94	Health	74				
Art I: Studio	66	Chemistry IB SL	55	English I	47	Health Science Theory	96				
Art II	66	Chinese I	63	English I Advanced	47	History of the Americas IB HL1	59				
Art II: Ceramics	66	Chinese II	63	English II	47	History of the Americas IB HL2	59				
Art II: Drawing	67	Chinese II Advanced	63	English II Advanced	47	Hospitality Services: Hotel					
Art II: Painting	67	Chinese III	63	English III	47	Management	98				
Art II: Photography	67	Chinese III Advanced	63	English III AP	48	Human Body Systems (PLTW)	95				
Art II: Printmaking	68	Chinese IV AP	63	English III - ACC Dual Credit		Human Geography AP	58				
Art II: Sculpture	68	Choir I-IV	72	(ENGL 1301 & ENGL 1302)	48	Human Growth and					
Art III: Ceramics	66	College Transition	77	English III IB HL1	48	Development	99				
Art III: Drawing	67	Color Guard I-IV	72	English IV	48	HVAC I - ACC Dual Credit					
Art III: Painting	67	Computer Integrated		English IV - ACC Dual Credit	48	(HART 1407 & 1403)	86				
Art III: Photography	68	Manufacturing (PLTW)	93	(ENGL 1301 & ENGL 1302)	49						
Art III: Printmaking	68	Computer Science I Advanced	101	English IV - ACC Dual Credit		I					
Art III: Sculpture	68	Computer Science III	101	(ENGL 2322)	49	Independent Study in					
Art IV: Ceramics	67	Computer Science A AP	101	English IV AP	48	Journalism I-III	50				
Art IV: Drawing	67	Computer Science IB SL & HL	102	English IV IB HL2	48	Independent Study in					
Art IV: Painting	67			English for Speakers of Other		Speech I-III	49				
				Languages I	47	Independent Study in Technology					
						Applications I-III	105				

Influence of the Old Testament	60	N	Navy Junior ROTC I	79	Practicum Human Services: Family and Community Services	100	Seminar in Languages other than English. Advanced Spanish	66
Influence of the New Testament	60		Navy Junior ROTC II	79	Practicum Human Services: Health and Wellness	100	Skill-Based Lifetime Activities	75
Instructional Practice	92		Navy Junior ROTC III	79	Practicum Interior Design	84	Skills for Adult Living	107
Instrument Ensemble: Chamber I-IV	71		Navy Junior ROTC IV	80	Practicum IT: Computer Science Studies	102	Sociology	61
Integrated Physics & Chemistry	55	O	Occupational Experience	106	Practicum IT: Cybersecurity	101	Spanish I	64
Interior Design I	83		Occupational Investigations	106	Practicum IT: Mobile App Development	102	Spanish II	65
Interior Design II	84	P	Personal and Social Skills	106	Practicum IT: MobileMakersStudio	102	Spanish II Advanced	65
Introduction to Cosmetology & Cosmetology I	98		Personal Financial Literacy	61	Practicum Law, Public Safety, Corrections and Security: Law Enforcement	103	Spanish III	65
Introduction to Culinary Arts	97		Photojournalism I	49	Practicum Marketing	92	Spanish III Advanced	65
Introduction to Engineering Design (PLTW)	93		Physics	56	Practicum Transportation Systems	104	Spanish IV AP	65
Investigations in Psychology	61		Physics 1 AP	56	Practicum STEM: Engineering Precalculus	94	Spanish IV IB SL	65
J			Physics 2 AP	56	Precalculus Advanced	52	Spanish V AP	65
Jazz Ensemble I-IV	72		Physics C: Mechanics AP	56	Precalculus AP	52	Spanish V IB HL	65
Journalism	49		Physics IB HL	57	Principles of Agriculture, Food & Natural Resources	80	Special Topics in Social Studies	
K			Physics IB SL	56	Principles of Architecture and Interior Design	83	ACC Dual Credit (GOVT 2306)	62
Kinesiology I	96		Practicum Agriculture: Agricultural Technology and Mechanical Systems	82	Principles of Arts, A/V and Communications	86	Special Topics in Social Studies - ACC Dual Credit (HIST 1301)	59
Kinesiology II	96		Practicum Agriculture: Animal Science	81	Principles of Biomedical Science (PLTW)	94	Specialized Topics in Science I-III	58
L			Practicum Agriculture: Floral Design	83	Principles of Business, Marketing and Finance	89	Sports Medicine I-IV	75
Law Enforcement I	103		Practicum Agriculture: Veterinary Science	81	Principles of Construction	84	Statistics	52
Law Enforcement II	103		Practicum Animation	87	Principles of Dance I-IV	69	Statistics AP	53
Leaders in Technology I-III	78		Practicum Architectural Design	83	Principles of Dance I: Studio	70	Student to Industry Connections	106
Leadership: Leadworthy	77		Practicum Audio/Video Production I	88	Principles of Education and Training	92	Study Lab I-IV	77
Lifetime Fitness and Wellness Pursuits	75		Practicum Audio/Video Production II	88	Principles of Health Science	95	T	
Lifetime Nutrition and Wellness & Interpersonal Studies	100		Practicum Business Management: Accounting	89	Principles of Human Services	98	Team Sport Officiating	78
Livestock and Poultry Production	81		Practicum Business Management: Personal Finance	90	Principles of Law, Public Safety, Corrections and Security	103	Technical Theatre I-IV	73
M			Practicum in Business Management: Real Estate	91	Principles of Transportation Systems	104	Technical Theatre Design II-IV	74
Macroeconomics AP	60		Practicum Construction Tech Technology I: Electrical	85	Professional Communications	86	Theatre I-IV	74
Marketing	92		Practicum Construction Technology II: Electrical	85	PSAT Team	77	Theatre Arts IB SL & HL	74
Math Independent Study - College Prep	52		Practicum Culinary Arts	97	Psychology	61	Theatre Production I-IV	74
Math Models with Applications	52		Practicum Education and Training I & II	93	Psychology AP	61	Theory of Knowledge IB	76
Mathematics: Analysis and Approaches IB HL	53		Practicum Entrepreneurship	91	Psychology IB HL	61	Travel & Tourism Management	98
Mathematics: Analysis and Approaches IB SL	53		Practicum Entrepreneurship (ACCEleratoredu)	91	Psychology IB SL	61	U	
Mathematics: Applications and Interpretations IB HL	54		Practicum Entrepreneurship: Exercise Science	97	QUEST – G/T	77	U.S. Government	59
Mathematics: Applications and Interpretations IB SL	54		Practicum Fashion Design	88	R		U.S. Government - ACC Dual Credit (GOVT 2305)	59
Medical Interventions (PLTW)	95		Practicum Graphic Design and Illustration	87	Reading Improvement I-III	50	U.S. Government AP	59
Medical Microbiology	94		Practicum Health Science: Medical Assistant	96	Research AP	76	U.S. History	58
Medical Terminology	95		Practicum Health Science: Pharmacy Technician	96	S		U.S. History II - ACC Dual Credit (HIST 1302)	59
Methodology for Academic and Personal Success I (MAPS)	76		Practicum Hospitality Services	98	Scientific Research and Design I-III	105	U.S. History AP	59
Mexican American Studies	62				Scientific Research and Design: Biomedical Science	95	V	
Microeconomics AP	60				Security and Investments	90	Veterinary Science	81
Mobile Application Development: MobileMakersEdu	102				Seminar AP	76	Vocal Ensemble I-IV	72
Money Matters	90						Vocational Experience	107
Multivariable Calculus	53						Vocational Investigations	107
Music IB SL & HL	73						W	
Music Theory	73						Wildlife, Fisheries & Ecology Management	80
Music Theory AP	73						World Geography	58
Musical Theatre I-IV	73						World History	58
							World History AP	58
							Writing Improvement I-III	51

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