GRADUATE PROFILE
Leander ISD students are well-prepared to enrich our world and excel in a global society. Each student is challenged, encouraged and supported to achieve the highest level of knowledge, skills and character.

IN ORDER TO ACCOMPLISH THIS VISION, WE MUST ENSURE:
• Students are academically prepared for college, career and life and equipped to achieve their highest potential.
• Students understand the importance of positive interactions with others as a foundation for living successful lives.
• Students communicate and collaborate effectively.
• Students possess the aptitude, attitude and skills necessary for the continuous pursuit of knowledge throughout life.
• Students apply their unique talents for personal growth and fulfillment.
• Students are active contributors in the community and prepared to participate in our global society.
Dear Parents and Students:

As you examine this very important document, consider mapping out your future. Do not think about next year: think about where you want to be in five years. In LISD, our goal is to empower students to reach their academic potential to create a globally competitive work force. Our district prides itself on providing an academically rigorous and challenging program for all students. Ours is a college-going culture, where students aspire to academic excellence and personal best, positioning themselves for success in college and careers beyond.

Each decision you make now will affect the options you will have later. Challenge yourself fully and develop a plan that keeps your options open, rather than one that may limit you later. 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 careers. For that reason, it is important to plan a challenging academic program and strongly pursue your interests.

Understanding the rich array of courses available to you and the planning required is the first step in making these important decisions.

**DEVELOPING A 4-YEAR PLAN** – To ensure all students complete a challenging course of study and reach their potential, students begin the planning process during their 8th-grade year. In addition, all students are enrolled in Methodology for Academic and Personal Success (MAPS)/Professional Communications during their 9th-grade year. This course provides in-depth information about planning for college and careers. The Student-led Parent Conference is a culminating activity in this class where students share their 4-year high school plan with their parents.

**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. Opportunities include:

- **AP, IB, and Pre-AP/IB Programs** – A rich array of internationally recognized college-preparatory courses in math, science, language, social sciences, arts and technology.

- **Dual Credit Program** – Allows high school students the opportunity to earn college credit while in high school.

- **Program of Study** – 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 look forward to the coming year of opportunities and remain committed to excellence.

Sincerely,

Dan Troxell, Ph.D.
Superintendent
Leander Independent School District

It is the policy of Leander ISD not to discriminate on the basis of race, color, national origin, sex or handicap in its career and technology education programs, services, or activities. Leander ISD 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.

Es norma de Leander ISD de no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales. Leander ISD tomará las medidas necesarias para asegurar que la falta de habilidad en el uso de la lengua inglés no sea un obstáculo para la admisión o participación en todos los programas educativos y vocacionales.
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For updates to this catalog, please see the online version at www.leanderisd.org
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 LISD Distinguished with Honors Plan as a Texas Scholars. Students are recognized with a frame-ready certificate and a Texas Scholar medal to be worn at graduation.

### Foundation + Endorsements

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>English</td>
<td>4</td>
</tr>
<tr>
<td>Math</td>
<td>4</td>
</tr>
<tr>
<td>Science</td>
<td>4</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3</td>
</tr>
<tr>
<td>Languages Other Than English</td>
<td>2</td>
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<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>1</td>
</tr>
<tr>
<td>Professional Communications/MAPS</td>
<td>1</td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
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</table>

*Credit requirements specific to at least one endorsement.

### Distinguished Level of Achievement

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<td>Science</td>
<td>4</td>
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<tr>
<td>Social Studies</td>
<td>3</td>
</tr>
<tr>
<td>Languages Other Than English</td>
<td>2</td>
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<tr>
<td>Physical Education</td>
<td>1</td>
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<td>Fine Arts</td>
<td>1</td>
</tr>
<tr>
<td>Professional Communications/MAPS</td>
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<td>Electives</td>
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</table>

*Credit requirements specific to at least one endorsement.

### LISD Distinguished with Honors

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<td>Social Studies</td>
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<td>Languages Other Than English</td>
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<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>1</td>
</tr>
<tr>
<td>Professional Communications/MAPS</td>
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</tr>
<tr>
<td>Electives</td>
<td>4</td>
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</tbody>
</table>

*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. All Leander ISD freshmen are required to take Professional Communications/MAPS or AVID as a year-long state elective to receive the required communication skills instruction. See Speech section of the course catalog for additional information regarding approved substitutions for students entering LISD after the freshman year.

** See specific graduation requirement options for math and science.

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

The Foundation High School Program (22 credits) is available; however, this requires that you see your counselor for discussion of this plan after the completion of the 10th-grade year.
Students must choose an “Endorsement,” or area of concentration, upon entering the ninth grade. Each student can choose more than one endorsement area. Achieved endorsements will be noted on high school transcripts. Students can earn an endorsement by successfully completing at least one of the “Program of Study” requirements in the endorsement areas listed below. Please see the specific course requirements for each Program of Study area listed in the course catalog. Courses chosen during high school become the foundation for the future; therefore, careful selection of courses will form a Program of Study related to a chosen post-secondary educational goal.

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<th>ENDORSEMENT AREAS</th>
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<tr>
<td>STEM</td>
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<td>- Advanced Math</td>
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<tr>
<td>- Advanced Science</td>
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<tr>
<td>- Computer Science</td>
</tr>
<tr>
<td>- Engineering (PLTW)</td>
</tr>
<tr>
<td>- STEM Studies</td>
</tr>
<tr>
<td><strong>Programs of Study</strong></td>
</tr>
<tr>
<td>- Agriculture:</td>
</tr>
<tr>
<td>» Ag Mechanics</td>
</tr>
<tr>
<td>» Agriculture Studies</td>
</tr>
<tr>
<td>» Animal Science</td>
</tr>
<tr>
<td>» Floral Design</td>
</tr>
<tr>
<td>» Horticulture*</td>
</tr>
<tr>
<td>» Wildlife and Resource Management*</td>
</tr>
<tr>
<td>- Architecture Design*</td>
</tr>
<tr>
<td>- Audio/Video Technology</td>
</tr>
<tr>
<td>- Automotive Technology*</td>
</tr>
<tr>
<td>- Business, Finance and Marketing Studies</td>
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<tr>
<td>- Business Management and Administration</td>
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<tr>
<td>- Construction Technology*</td>
</tr>
<tr>
<td>- Culinary Arts*</td>
</tr>
<tr>
<td>- Electrical Technology*</td>
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<tr>
<td>- English Electives:</td>
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<tr>
<td>» Debate</td>
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<td>» News Media</td>
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<tr>
<td>» Oral Interpretation</td>
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<tr>
<td>» Public Speaking</td>
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<tr>
<td>» Yearbook</td>
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<tr>
<td>- Fashion Design</td>
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<tr>
<td>- Finance</td>
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<tr>
<td>- Graphic Design and Animation</td>
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<tr>
<td>- Hospitality*</td>
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<tr>
<td>- Interior Design</td>
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<td>- Marketing</td>
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<td><strong>Business &amp; Industry</strong></td>
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<td><strong>Multidisciplinary</strong></td>
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<td><strong>Programs of Study</strong></td>
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<tr>
<td>- Biomedical Science (PLTW)</td>
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<td>- Cosmetology*</td>
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<td>- Criminal Justice*</td>
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<td>- Education and Training</td>
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<td>- Health Science*</td>
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<tr>
<td>- Human Services Studies</td>
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<tr>
<td>- JROTC:</td>
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<tr>
<td>» Air Force JROTC*</td>
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<tr>
<td>» Navy JROTC*</td>
</tr>
<tr>
<td>- Medical Sciences</td>
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<tr>
<td>- Mental Health and Wellness</td>
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<td>- Fine Arts:</td>
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<td>» Visual Art:</td>
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<td>- Ceramics</td>
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<td>- Drawing</td>
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<td>- Painting</td>
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<td>- Photograph</td>
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<td>- Sculpture</td>
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<td>- Performing Art:</td>
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<td>- Band</td>
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<td>- Choir</td>
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<td>- Musical Theatre</td>
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<td>- Technical Theatre</td>
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<td>- Theatre Arts</td>
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<td>» American Sign Language</td>
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<tr>
<td>» French</td>
</tr>
<tr>
<td>» Latin</td>
</tr>
<tr>
<td>» Spanish</td>
</tr>
<tr>
<td>- Social Studies</td>
</tr>
</tbody>
</table>

*offered at designated campuses only

**State Assessments Required for Graduation**
- English I, II; Algebra I; U.S. History; Biology

**Performance Acknowledgements**
- Outstanding performance: SAT,* ACT®, PSAT®, IB, AP®, dual credit, bilingualism/bi-literacy and business/industry certifications

**Questions?**
- Contact your student's counselor, or visit www.leanderisd.org.

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*offered at designated campuses only
Students will begin their high school 4-year planning process during the 8th-grade school year. Parents will be required to sign-off on the 4-year plan by the end of the student's 9th-grade school year. Counselors will meet with students and parents annually to review graduation plans.

Name: ___________________________________________________

Date: ____________________

Endorsement Area: ____ STEM;  ____ Business and Industry;  ____ Public Service;  ____ Arts and Humanities;  ____ Multidisciplinary

(Please check at least one endorsement area)

Program of Study: _____________________________________________________________

(Please list all that apply)

<table>
<thead>
<tr>
<th>9th</th>
<th>10th</th>
<th>Summer</th>
<th>11th</th>
<th>Summer</th>
<th>12th</th>
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<tbody>
<tr>
<td>English I</td>
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<td>Math</td>
<td>English III</td>
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<td>Science</td>
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<td>World History</td>
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<td>World Geography</td>
<td>World History</td>
<td>U.S. History</td>
<td>Government/ Economics</td>
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<td>Professional Communications/ MAPS</td>
<td>P.E.</td>
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</tbody>
</table>

**Foundation High School Program + Endorsements (26 credits):** Students must add 2 credits of language other than English (LOTE), 1 credit in fine arts, and elective credits. See specific graduation requirement charts for math, science and elective requirements.

**Distinguished Level of Achievement (26 credits):** Foundation High School Program + Endorsements must include Algebra II.

**LISD Distinguished With Honors (26 credits):** Additional requirements to the Distinguished Level of Achievement are English IV; 4th math course for which Algebra II is a prerequisite; Biology, Chemistry, Physics and a 4th science credit; 4 credits in social studies; and 3 credits in the same language other than English (LOTE).

**Pre-AP/IB, AP, IB or dual credit courses may be substituted for requirements in appropriate areas.** The Foundation High School Program (22 credits) is available; however, this requires that you see your counselor for discussion of this plan. Students may opt to the Foundation only plan after completing their sophomore year.
Algebraic Reasoning, Math Models and College Prep Mathematics are state approved mathematics courses. These courses require a 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: AP Computer Science (Technology Applications), Digital Electronics (CTE) and Accounting II (CTE). Please see your counselor for additional information concerning substitution options/requirements.

Math 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 AP (Technology Applications)
- Digital Electronics (CTE)
- Independent Study in Mathematics
- Mathematical Models
- Mathematics HL IB
- Mathematics SL IB
- Mathematics Studies IB
- Pre-Calculus
- 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 AP (Technology Applications)
- Independent Study in Mathematics
- Mathematics HL IB
- Mathematics SL IB
- Mathematics Studies IB
- Pre-Calculus
- 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 counselor for additional information concerning substitution options/requirements.
The chart below is a guide 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 located in the Program of Study 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

<table>
<thead>
<tr>
<th>Program of Study</th>
<th>First/Second Course</th>
<th>Second/Third Course</th>
<th>Third/Fourth Course</th>
<th>Fourth/Fifth Course</th>
</tr>
</thead>
</table>

### Languages Other Than English (Option 1) (4 credits in the same language)

### Languages Other Than English (Option 2) (2 credits in same language and 2 additional credit in the same language)

### Social Studies (5 social studies credits)

<table>
<thead>
<tr>
<th>Program of Study</th>
<th>First/Second Course</th>
<th>Second/Third Course</th>
<th>Third/Fourth Course</th>
<th>Fourth/Fifth Course</th>
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### MULTIDISCIPLINARY ENDORSEMENT

<table>
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<th>Program of Study</th>
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<th>Third/Fourth Course</th>
<th>Fourth/Fifth Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multidisciplinary (Option I) (16 credits - Four credits in each of the foundation areas to include English IV, Chemistry and/ or Physics)</td>
<td>English I, Algebra I, Biology I, World Geography or AP Human Geography</td>
<td>English II, Geometry, IPC (Chemistry or Physics must be taken afterwards), Chemistry, World History or AP World History</td>
<td>English III or English IV AP/IB, Algebra II or 3rd math course, Physics or 3rd science course, US History or AP US History or IB History of Americas</td>
<td>English IV or English IV AP/IB, 4th math course, 4th science course, Government/Economics or AP Government/ AP Economics, 4th social studies course (if needed)</td>
</tr>
</tbody>
</table>

*Indicates that the course has a required prerequisite
## BUSINESS AND INDUSTRY ENDORSEMENT

<table>
<thead>
<tr>
<th>Program of Study</th>
<th>First/Second Course</th>
<th>Second/Third Course</th>
<th>Third/Fourth Course</th>
<th>Fourth/Fifth Course</th>
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<tbody>
<tr>
<td>Ag - Agricultural Mechanics</td>
<td>Professional Communications, Principles of Agriculture, Food and Natural Resources</td>
<td>Agriculture Mechanics and Metal Technologies</td>
<td>*Agricultural Equipment Design and Fabrication</td>
<td>*Agricultural Facilities Design and Fabrication, Practicum in Agricultural Mechanics</td>
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<tr>
<td>Ag - Agriculture Studies</td>
<td>See options in back of course catalog for Agriculture Studies Program of Study</td>
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<tr>
<td>Ag - Animal Science</td>
<td>Professional Communications, Principles of Agriculture, Food and Natural Resources</td>
<td>Small Animal/Equine Science, Livestock Productions</td>
<td>*Veterinary Medical Applications</td>
<td>*Advanced Animal Science, Practicum in Veterinary Medical Applications</td>
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<tr>
<td>Ag - Floral Design</td>
<td>Professional Communications, Principles of Agriculture, Food and Natural Resources</td>
<td>Floral Design I</td>
<td>*Advanced Floral Design</td>
<td>*Practicum in Agriculture, Food and Natural Resources</td>
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<tr>
<td>Ag - Horticulture</td>
<td>Professional Communications, Principles of Agriculture, Food and Natural Resources</td>
<td>Horticulture Science</td>
<td>*Greenhouse Operations</td>
<td>*Practicum in Agriculture, Food and Natural Resources</td>
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<tr>
<td>Ag - Wildlife and Resource Management</td>
<td>Professional Communications, Principles of Agriculture, Food and Natural Resources</td>
<td>Wildlife, Fisheries and Ecology Management</td>
<td>*Energy and Natural Resources</td>
<td>*Practicum in Agriculture, Food and Natural Resources</td>
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<td>Architecture</td>
<td>Professional Communications</td>
<td>Architecture Design I</td>
<td>*Architecture Design II</td>
<td>*Practicum in Architecture Design</td>
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<td>Automotive Technology</td>
<td>Professional Communications</td>
<td>Automotive Basics</td>
<td>*Automotive Technology II</td>
<td>*Automotive Technology II, Practicum in Automotive Technology, Transportation, Distribution and Logistics</td>
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<tr>
<td>Business, Finance and Marketing Studies</td>
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<td>Business Management and Administration</td>
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<td>Business Information Management I, Business Management</td>
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<td>Construction Technology</td>
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<td>Culinary Arts: Restaurant Management</td>
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<td>English Electives - Advanced Journalism: News Media I</td>
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</tbody>
</table>

*Indicates that the course has a required prerequisite
The chart below is a guide 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 located in the Program of Study 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.

### BUSINESS AND INDUSTRY ENDORSEMENT (Continued)

<table>
<thead>
<tr>
<th>Program of Study</th>
<th>First/Second Course</th>
<th>Second/Third Course</th>
<th>Third/Fourth Course</th>
<th>Fourth/Fifth Course</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English Electives - Oral Interpretation</strong></td>
<td>Professional Communications, Oral Interpretations I</td>
<td>*Oral Interpretations II</td>
<td>*Oral Interpretations III</td>
<td>*Speech Independent Study</td>
</tr>
<tr>
<td><strong>English Electives - Public Speaking</strong></td>
<td>Professional Communications, Public Speaking I</td>
<td>*Public Speaking II</td>
<td>*Public Speaking III</td>
<td>*Speech Independent Study</td>
</tr>
<tr>
<td><strong>Fashion Design</strong></td>
<td>Professional Communications, Principles of Human Services</td>
<td>Fashion Design I</td>
<td>*Fashion Design II</td>
<td>*Practicum in Fashion Design</td>
</tr>
<tr>
<td><strong>Finance</strong></td>
<td>Professional Communications, Principles of Business, Marketing and Finance</td>
<td>Money Matters</td>
<td>Accounting I, *Securities and Investments</td>
<td>*Accounting II</td>
</tr>
<tr>
<td><strong>Graphic Design and Animation</strong></td>
<td>Professional Communications, Principles of Arts, A/V, and Communications</td>
<td>Graphic Design and Illustration I</td>
<td>*Graphic Design and Illustration II, *Animation I</td>
<td>*Animation II</td>
</tr>
<tr>
<td><strong>Hospitality: Hotel Management</strong></td>
<td>Professional Communications, Principles of Human Services</td>
<td>Travel and Tourism</td>
<td>*Hospitality Services</td>
<td>*Practicum in Hospitality and Tourism</td>
</tr>
<tr>
<td><strong>Interior Design</strong></td>
<td>Professional Communications, Principles of Human Services</td>
<td>Interior Design I</td>
<td>*Interior Design II</td>
<td>*Practicum in Interior Design</td>
</tr>
<tr>
<td><strong>Marketing</strong></td>
<td>Professional Communications, Principles of Business, Marketing and Finance</td>
<td>Advertising/Social Media Marketing</td>
<td>Entrepreneurship</td>
<td>*Practicum in Marketing</td>
</tr>
</tbody>
</table>

### PUBLIC SERVICE ENDORSEMENT

<table>
<thead>
<tr>
<th>Program of Study</th>
<th>First/Second Course</th>
<th>Second/Third Course</th>
<th>Third/Fourth Course</th>
<th>Fourth/Fifth Course</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Biomedical Science (PLTW)</strong></td>
<td>Professional Communications, Principles of Biomedical Science</td>
<td>*Human Body Systems</td>
<td>*Medical Interventions</td>
<td>*Biomedical Innovation</td>
</tr>
<tr>
<td><strong>Cosmetology</strong></td>
<td>Professional Communications, Principles of Human Services</td>
<td>Introduction to Cosmetology &amp; Cosmetology I</td>
<td>*Cosmetology II &amp; General Employability Skills</td>
<td></td>
</tr>
<tr>
<td><strong>Criminal Justice</strong></td>
<td>Professional Communications, Principles of Law, Public Safety, Corrections, and Security</td>
<td>Law Enforcement I</td>
<td>Law Enforcement II</td>
<td>Criminal Investigation, Forensic Science</td>
</tr>
<tr>
<td><strong>Education and Training</strong></td>
<td>Professional Communications, Principles of Human Services</td>
<td>Principles of Education</td>
<td>*Instructional Practice, Human Growth and Development</td>
<td>*Practicum in Education and Training</td>
</tr>
<tr>
<td><strong>Health Science</strong></td>
<td>Professional Communications, Principles of Biomedical Sciences</td>
<td>Principles of Health Science,</td>
<td>*Health Science Theory, Medical Terminology</td>
<td>*Practicum in Health Science</td>
</tr>
<tr>
<td><strong>Human Services</strong></td>
<td>See options in back of course catalog for Human Services Program of Study</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Junior Reserve Office Training Corp (JROTC)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Air Force (LHS) or Navy (VRHS)</strong></td>
<td>AFIROTC I or NJROTC I</td>
<td>*AFIROTC II or *NJROTC II</td>
<td>*AFIROTC III or *NJROTC III</td>
<td>*AFIROTC IV or *NJROTC IV</td>
</tr>
<tr>
<td><strong>Medical Sciences</strong></td>
<td>Professional Communications, Principles of Biomedical Sciences</td>
<td>Medical Terminology, Principles of Health Science</td>
<td>Anatomy and Physiology</td>
<td>Medical Microbiology</td>
</tr>
<tr>
<td><strong>Mental Health and Wellness</strong></td>
<td>Professional Communications, Principles of Human Services</td>
<td>Lifetime Nutrition and Wellness/Interpersonal Studies</td>
<td>*Counseling and Mental Health</td>
<td>*Family and Community Services</td>
</tr>
</tbody>
</table>

*Indicates that the course has a required prerequisite
I. High School Graduation Plans
LISD has graduation plans to serve the post-secondary needs of all students. As students create a four-year plan 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. Research has consistently shown students who take more challenging courses in math and science and participate in advanced programs while in high school are more likely to be successful in post-secondary education. 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 LISD 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 counselor, parent/guardian and student to discuss post-secondary implications.

II. 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®, ACT Aspire®, SAT® or ACT®; and by earning a nationally or internationally recognized business or industry certification or license. Please see below for specific Performance Acknowledgement requirements.

Bilingualism and Bi-literacy Performance Acknowledgement
A student may earn a Performance Acknowledgement on the student’s transcript for outstanding performance in bilingualism and bi-literacy by demonstrating proficiency in accordance with LISD grading policy in two or more languages by:

(1) Completing all English language arts requirements and maintaining a minimum grade point average (GPA) of the equivalent of 80 on a scale of 100, and

(2) Satisfying one of the following:

• Completion of a minimum of 3 credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or

• Demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or

• Completion of at least 3 credits in a foundation subject area course in a language other than English with a minimum of 80 on a scale of 100; or

• Demonstrated proficiency in one or more languages other than English through one of the following methods:

  a) A score of 3 or higher on a College Board AP exam for a language other than English; or

  b) A score of 4 or higher on an IB exam for a higher-level language other than English course; or

  c) Performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent.

In addition to meeting the requirements to earn a Performance Acknowledgement in bilingualism and bi-literacy, an English language learner must also have participated in and met the exit criteria for a bilingual or English as a second language (ESL) program and scored at the Advanced High level on the TELPAS.

Dual Credit Performance Acknowledgement
A student may earn a Performance Acknowledgement on the student’s transcript for outstanding performance in a dual credit course by successfully completing:

(1) At least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and advanced technical credit courses, including locally articulated courses, with a grade of 3.0 or higher on a scale of 4.0, or

(2) An associate degree while in high school.

AP or IB Performance Acknowledgement
A student may earn a Performance Acknowledgement on the student’s transcript for outstanding performance on an AP or IB exam by earning:

(1) A score of 3 or above on an AP exam, or

(2) A score of 4 or above on an IB exam.

PSAT/NMSQT®, the ACT Aspire®, the SAT®, or the ACT® Performance Acknowledgement
A student may earn a Performance Acknowledgement on the student’s transcript for outstanding performance on an established, valid, reliable, and nationally norm-referenced preliminary college preparation assessment instrument used to measure a student’s progress toward readiness for college and the workplace or on an established valid, reliable, and nationally norm-referenced assessment instrument used by colleges and universities as part of their undergraduate admissions process by:

(1) Earning a score on the PSAT/NMSQT® that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program of the College Board.

(2) Achieving the college readiness benchmark score on at least two of the four sub tests on the ACT Aspire™ exam;

(3) Earning scores of at least 410 on the evidence-based reading section and 520 on the mathematics section of the SAT®;

(4) Earning a composite score on the ACT® exam of 28 (excluding the writing sub-score).

Business or Industry Certification or License Performance Acknowledgement
A student may earn a Performance Acknowledgement on the student’s transcript for earning a nationally or internationally recognized business or industry certification or license as follows.
HIGH SCHOOL
GRADUATION REQUIREMENTS (continued)

(1) A student may earn a performance acknowledgment with:
• Performance on an exam or series of exams sufficient to obtain a nationally or internationally recognized business or industry certification, or
• Performance on an exam sufficient to obtain a government-required credential to practice a profession.

(2) Nationally or internationally recognized business or industry certification shall be defined as an industry validated credential that complies with knowledge and skill standards promulgated by a nationally or internationally recognized business, industry, professional, or governmental entity representing a particular profession or occupation that is issued by or endorsed by:
• A national or international business, industry, or professional organization;
• A state agency or other governmental entity; or
• A state-based industry association.

(3) Certifications or licensures for performance acknowledgements shall:
• Be age appropriate for high school students;
• Represent a student’s substantial course of study and/or end-of-program knowledge and skills;
• Include an industry recognized exam or series of exams, an industry validated skill test, or demonstrated proficiency through documented, supervised field experience; and
• Represent substantial knowledge and multiple skills needed for successful entry into a high skill occupation.

III. Required State Assessments for Graduation
State of Texas Assessments of Academic Readiness (STAAR) End of Course Requirements for Graduation:
Students will take the State of Texas Assessments of Academic Readiness (STAAR) exam at the end of English I, English II, Algebra I, Biology and U.S. History. In order to graduate, a student must meet or exceed the Level II Satisfactory scale score 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. For example, for students who took STAAR Algebra I in spring 2013, the first phase-in standard for Level II: Satisfactory Performance would apply to Algebra I, STAAR English I, English II, biology, and U.S. History.

STAAR EOC retest opportunities will be available for students needing to retest. Students who, upon completion of Grade 11, are unlikely to pass one or more EOCs shall be required to enroll in a corresponding preparatory class and take an end-of-course assessment for that course. Retests will be offered during the summer, fall and spring administrations of STAAR. Specific substitutions for EOCs are allowed and include AP, IB, PSAT/NMSQT®, ACT Aspire™, SAT® or ACT®scores. It is the student’s responsibility to check with their counselor to determine if they are eligible for a substitution. The ARD committees shall determine whether students receiving special education services are required to pass EOCs to receive a high school diploma.

According to Senate Bill 149, passed in April 2015, students who miss the Level II Satisfactory scale score on no more than two of the five EOC assessments may graduate if granted a recommendation from the campus Individual Graduation Committee (IGC). In order to be eligible for IGC consideration, the student must continue to retest at every eligible opportunity.

*Please check the district website at www.leanderisd.org for the latest information on STAAR.
**Please note that ELL students within their first three years in US schools who exercise the English I Special Provision must include that assessment as one of the two assessments missing Level II Satisfactory Performance for IGC consideration.

IV. Early Graduation
An LISD 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 counselor to file a written early graduation plan. Specific details about the process to request early graduation are available from your school counselor.

V. Grade Level Classifications
For the purpose of classifying students: (Exception: A student who has filed an Early Graduation Plan.)

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.

This classification is based on the number of credits actually 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.
I. Schedule Changes
It is very important that students and parents consider selecting appropriate 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 and effectively, student schedules will not be changed to select different teachers, lunch periods, or any different elective or alternate elective. 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.
- Teacher change requests will only be considered if a student previously failed a course with the same teacher and if another teacher is available.

**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 signature. Course request changes must be made in before the published deadline. The course change deadline will be approximately two weeks prior to the first day of school. The date will be published on High School Counseling websites as well as the Leander ISD Counseling Services website after the school calendar has been approved by the Leander Board of Trustees. 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 in the summer when submitted before 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 a Pre-AP®, Pre-IB, 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. A campus appeals process exists to request a course level change after the time frame listed.

II. 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), Cheerleading (one credit maximum), Marching Band (one credit maximum), Athletics (four credit maximum), JROTC (one credit maximum) and Private/Commercially sponsored activities (four credit 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.

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.

For more information in regards to Off Campus PE, please contact your school counselor or the district coordinator for physical education.

III. Language Other Than English (LOTE) Substitutes
The Foundation High School Program (FHSP) requires a student to have two levels of language other than English (LOTE). If a student, in completing the first credit in LOTE with a 70- or above, demonstrates that he/she is unlikely to be able to complete the second level, a committee consisting of the LOTE Level 1 teacher, the principal or designee, and the student’s parent/guardian will be formed to determine if LOTE substitutions will be allowed:

If a substitution is granted, it will ONLY satisfy the credit required for the LOTE Level II course and will not be considered as part of a coherent sequence of LOTE courses required for any endorsement. In addition, it may not fulfill the requirement for admissions into the college/university for which the student is applying. Most universities require two years of the same foreign language; and a substitution course may not fulfill this requirement. It is the student’s responsibility to check with the college/university to determine admission requirements.

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,
VIII. 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 campus counselor for information concerning the special education referral process.
## SPECIAL EDUCATION GRADUATION OPTIONS

<table>
<thead>
<tr>
<th>Standard of Performance</th>
<th>State Assessments</th>
<th>Graduation Options for Students Receiving Special Education Services</th>
<th>Eligibility for Special Education Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student satisfactorily completes credit requirements for graduation at the standard applicable to students in general education.</td>
<td>STAAR Satisfactory performance</td>
<td>Option: I&lt;br&gt;Foundation High School Plan&lt;br&gt;+ 1 or more endorsements&lt;br&gt;+ Distinguished Level of Achievement&lt;br&gt;+ Performance Acknowledgements</td>
<td>Special education services shall terminate upon graduation.</td>
</tr>
<tr>
<td>Student satisfactorily completes credit requirements for graduation at the standard applicable to students in general education.</td>
<td>STAAR Participation required. Admissions, Review, Dismissal (ARD) committee determines if passing is required.</td>
<td>Option: I&lt;br&gt;Foundation High School Plan&lt;br&gt;Not eligible to earn an Endorsement.</td>
<td>A student receiving modifications may graduate with an endorsement by completing all additional courses to satisfy the 26 credit requirement, complete endorsement courses without modifications and pass no less than three out of five EOC assessments.</td>
</tr>
<tr>
<td>Student satisfactorily completes credit requirements through courses, one or more of which contain modified curriculum. Student must also successfully complete the student’s individualized education program (IEP) and meet one of four conditions: (a) full-time employment plus self-help skills to maintain employment without need for support from local school district; (b) employability and self-help skills without need for direct ongoing support of local school district; (c) access to services outside of the responsibility of local school district; or (d) no longer meets age eligibility.</td>
<td>STAAR Participation required. Admissions, Review, Dismissal (ARD) committee determines if passing is required.</td>
<td>Option: II a, b, c, d&lt;br&gt;Foundation High School Plan&lt;br&gt;+ 1 or more endorsements if student meets eligibility criteria* &lt;br&gt; If modifications to endorsement courses are needed, student will not be eligible to earn an endorsement. Course planning, including courses in endorsement areas, should be based on postsecondary goals and student strengths and interests.</td>
<td>A student receiving modifications may graduate with an endorsement by completing all additional courses to satisfy the 26 credit requirement, complete endorsement courses without modifications and pass no less than three out of five EOC assessments.</td>
</tr>
<tr>
<td>Student satisfactorily completes credit requirements through courses, one or more of which contain modified curriculum. Student must also successfully complete the student’s individualized education program (IEP) and meet one of four conditions: (a) full-time employment plus self-help skills to maintain employment without need for support from local school district; (b) employability and self-help skills without need for direct ongoing support of local school district; (c) access to services outside of the responsibility of local school district; or (d) no longer meets age eligibility.</td>
<td>STAAR Alternate II</td>
<td>Option: II a, b, c, d&lt;br&gt;Foundation High School Plan&lt;br&gt;Not eligible to earn an Endorsement.</td>
<td>A student receiving modifications may graduate with an endorsement by completing all additional courses to satisfy the 26 credit requirement, complete endorsement courses without modifications and pass no less than three out of five EOC assessments.</td>
</tr>
</tbody>
</table>

* A student receiving modifications may graduate with an endorsement by completing all additional courses to satisfy the 26 credit requirement, complete endorsement courses without modifications and pass no less than three out of five EOC assessments.
The school district curriculum enables each student with disabilities to acquire knowledge and skills in the basic areas of learning commensurate with the student’s needs and abilities. These skills may be attained through special education accommodations, modification or instruction and related services, as determined by the admission, review, and dismissal (ARD) committee. 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).

IX. Section 504 Services
Section 504 of the Rehabilitation Act and the Americans with Disabilities Act prohibits discrimination and assures that disabled students have educational opportunities and benefits equal to those provided to non-disabled students. Section 504 and the ADA cover three types of students: (1) those who have a disability (2) those who have a record of a disability and; (3) those who are regarded as having a disability. Only students in group 1 (they have a physical or mental impairment that substantially limits a major life activity, thus a disability) are eligible for services under Sec. 504 and the ADA. Parents, Teachers, Administrators or any other district employees who know of or suspect a student may have a disability, or may require special services, should contact the campus Sec. 504 Coordinator for information regarding evaluation and services.

X. English Language Learner Services
Each school district is required to offer an English as a Second Language (ESL) Program and shall provide each English Language Learner (ELL) 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 English Language Learners (ELL). ELLs receive intensive instruction in English from certified English as Second Language (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 English Language Learners (ELLs) for state credit in high school. A sheltered content class incorporates second language acquisition strategies 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 sheltered instruction. The sheltered classes cover all mandated TEKS; incorporate English Language Proficiency Standards (ELPS); and focus on adapting the instructional pacing and methods and accommodating materials for instruction.

COLLEGE AND CAREER PATHWAYS

I. 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 rigorous curriculum in any subject area and who want the best preparation for college. Courses are designated with “Pre-AP/IB,” “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, Pre-AP/IB courses in the 9th and 10th grade are designed to prepare students to be successful in future AP and/or IB courses. Enrollment in Pre-AP/IB, AP and IB course at the high school level is open to all students who wish to undertake a rigorous 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 USD 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. Students taking AP courses are more likely to major in those areas of study after high school. AP Courses are available in the following areas*:

- **English:** English Language, English Literature
- **Language:** French Language & Culture, Latin, 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
- **Arts:** Art, Music Theory, Art History
- **STEM:** Computer Science Principles, Computer Science
- **Capstone:** Seminar, Research

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

All LISD 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, will receive the AP Capstone Diploma™. Students who earn scores of 3 or higher on the two AP Capstone exams but do not take or earn qualifying scores on four additional AP Exams will receive the AP Seminar™ and Research Certificate™.

International Baccalaureate® Diploma Programme
The International Baccalaureate (IB) Diploma Programme (DP) is
a rigorous and comprehensive curriculum designed to meet the challenge of 21st-century college-bound and highly motivated students. 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 (the three most important tools of communication and analysis) 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, Latin, or Spanish
- Individuals and Societies: History and Psychology (elective only)
- Sciences: Biology, Chemistry, Physics, Design Technology (VHS only, elective only) and Computer Science (VHS only, elective only)
- Mathematics: Math Studies, Standard-Level Mathematics, or Higher-Level Mathematics
- Arts: Visual Arts, Dance, Music (LHS only), Theatre Arts (LHS only). Additionally students may choose a second science, language or another IB elective in place of an arts course.

For a student to earn a full IB Diploma, he/she 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 Pre-IB/AP core courses in 9th and 10th grade.

The IB DP is open to students from any of the LISD high schools. It is currently offered at Leander High School (LHS) and will be offered at Vandegrift High School (VHS) beginning in fall 2018 (authorization pending). Prospective IB students from Henry, Leander, Running Brushy, Stiles, or Wiley 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.

University of Texas at Austin OnRamps

OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a UT faculty member and high school credit from their local teacher. All OnRamps courses can be applied to the Texas Common Core and are guaranteed to transfer to any public institution in Texas.

The key benefit of early exposure to postsecondary education is the authentic entry point to college expectations it provides for students. While in high school, participation in OnRamps courses may accelerate degree completion by reducing the costs and impact of student loans and increasing lifetime earning potential. In OnRamps students learn first-hand all that it takes to succeed in college before they get there. OnRamps Courses currently offered in LISD:

- Math: Pre-Calculus, College Algebra
- Science: Geoscience

For further information regarding the OnRamps Program at your high school, see a school counselor or Dean of Instruction.

II. Dual Credit Program – Austin Community College

The Dual Credit Program at Austin Community College (ACC) allows high school students the opportunity to earn college credit while in high school. These courses are “dual credit” if used to satisfy the high school graduation requirement, “co-enrollment” if taken for college credit only and “articulated” if taken in high school and later recaptured at ACC, why is the Dual Credit Program a good thing to consider?

- Students get a head start on earning college credit.
- Cost savings on tuition and fees.
- College-level work can enhance self-esteem, education and career goals.
- Many courses are transferable to other public colleges and universities.

Students may enroll in college while still enrolled in high school to extend learning or accumulate college hours. To take college courses (co-enrollment or dual enrollment), students must receive counselor, College and Career Transition Coordinator and parent approval. Students must be considered full-time high school students. Students must meet the entrance requirements including college entrance exams and are responsible for the application and registration process. This process is time sensitive. Students should check with the campus College and Career Transition Coordinator for information regarding costs associated with taking dual enrollment and co-enrollment courses and check with colleges to be sure that they will accept dual or co-enrollment courses.

Dual Credit Enrollment

Credit earned through dual enrollment counts for both college and high school credit in a core content area or an elective and fulfills high school graduation requirements. Students must submit an official transcript to the district in order to receive high school credit if they do not allow ACC to report the credit for them. To receive high school credit, the grade in the course must be a C or better. If all conditions are met, credit is given for the course but is not used to determine grade point average (GPA).

Leander ISD offers 24 college credit hours on each high school campuses taught by Austin Community College. The program is called Dual Credit Plus, which allows students to take ACC classes on campus during their junior and senior year of high school. Courses in the Dual Credit Plus Program may include ENGL 1301, ENGL 1302, ENGL 2322, HIST 1301, HIST 1302, GOVT 2305, GOVT 2306, ECON 2301 and SPCH 1311. Each high school campus Dual Credit Plus Program will vary depending upon student interest and instructor availability.

In addition to taking courses on Leander ISD high school campuses, students can also attend Austin Community College for additional course options. The courses that are currently approved for dual credit with Austin Community College are included in this catalog on a separate page. This list is subject to change. Students should check with the College and Career Transition Coordinator for the most recent list of approved courses.

Co-Enrollment

Credit earned through co-enrollment courses counts only for college credit. Students who are granted release time for co-enrollment must meet all district requirements for graduation. Co-enrollment courses do not appear on a student’s high school transcript, do not count for high school graduation, and are not used to determine grade point average (GPA). The Texas Legislature has approved 42 core lower-division course credit hours that will transfer to any Texas public college or university. This list can be found on the Austin Community College website.
Articulated College Credit Courses

Articulated college credit courses focus on academic, technical, problem-solving, and critical-thinking skills to prepare students to be qualified technicians in America’s highly competitive work force. The abstract learning process also prepares students for advanced course work required at the college level.

Through the articulation process, students are enrolled in a course of study that prepares them to obtain a four-year degree, an associate degree, a two-year vocational certificate, or to directly enter the work force better prepared to be successful employees.

See the Articulated College Credit Courses in LISD chart for the courses which currently have articulation agreements in place with ACC. This list is subject to change. Students should check with the College and Career Transition Coordinator for the most recent list of approved courses.

III. Gifted and Talented Services

The QUEST-GT (Quality Utilization and Enrichment of Student’s Talents - Gifted/Talented) Program provides services for students identified as Gifted and Talented (GT) in the areas of general intellectual ability and creative and productive thinking. Students must score in the 95th percentile on two measures of general intellectual ability to participate in this program. Qualified students may enroll in the GT Independent Study Mentorship (ISM) QUEST class. Students may also receive support for their interests and needs through the QUEST Lab. Ninth and tenth grade QUEST students are expected to take Pre-AP English QUEST classes. Please contact the campus guidance office or the campus QUEST teacher for additional information. In addition to the QUEST-GT Program, gifted students may choose to enroll in the International Baccalaureate® (IB) Diploma Programme (DP), Advanced Placement® (AP) courses and Pre-AP courses. Teachers of these courses complete 30 hours of GT training, which includes nature and needs of gifted students.

IV. Career and Technical Education

All students have the opportunity to enroll in Career and Technical Education (CTE) courses along with the more 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 shall have the opportunity to participate in a student leadership training organization appropriate to the course in which he/she is enrolled. Students will have the opportunity to reach advanced level CTE courses to increase the rigor of their learning and potentially complete a CTE coherent sequence for an endorsement. LISD defines a CTE course as advanced if it requires a prerequisite, or if it is only offered at the junior/senior grade levels. In addition, students can earn a performance acknowledgement under the Foundation High School Program (FHSHP) by earning a recognized business or industry certification or license. Programs of Study that have business/industry certifications embedded into the coherent course sequence are listed on the chart in this section of the catalog. Additional information on Performance Acknowledgment can be found in the Graduation Section of this catalog.

V. 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 8th - 11th grade. From this testing opportunity, Leander students are provided feedback in terms of 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. Setting score goals prior to testing combined with a focused practice plan using Khan Academy, preparatory resources from SAT/ACT as well as accessing practice exams offered throughout the school year to best prepare students.

**VI. Admission to Texas Public Colleges and Universities**

Under the Automatic Admission policy (Texas Education Code §51.803), Texas students may be eligible for automatic admission to a state college or university as an undergraduate student if they meet certain criteria. To qualify for automatic admission, a student must:

1. Earn a grade point average in the top 10 percent* of his/her high school graduating class,
2. Graduate from a Texas public or private high school,
3. Successfully complete the requirements for the Distinguished Level of Achievement on the Foundation High School Program (FHS) OR satisfy ACT’s College Readiness Benchmarks on the ACT college entrance exam OR earn a score of at least 1500 out of 2400 on the SAT college entrance exam, (student should check with universities for updated score requirements on the new SAT®) AND
4. Apply for admission to a state college or university within the first two school years after graduation from high school.

*Beginning with admission for the 2011-12 school year, The University of Texas at Austin (UT) is no longer required to automatically admit applicants in excess of 75 percent of its enrollment capacity for first time resident undergraduate students.

The university has determined that it will automatically admit all eligible Summer/Fall 2019 applicants who rank within the top 7 percent of their high school.

The university has determined that it will automatically admit all eligible Summer/Fall 2019 applicants who rank within the top 6 percent of their high school.

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.

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 AND
2. 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 on the Foundation Program.
3. Take the required (SAT or ACT) college entrance exams; AND submit the scores to the college(s) to which they are seeking admission.

**VII. Texas Success Initiative - TSI**

Texas Success Initiative (TSI) - Texas law requires all entering students who wish to enroll in Texas public higher education institution to meet college readiness standards in reading, writing and math. Students who do not meet TSI standards upon graduation will be required to pass developmental courses at the college they are attending in order to start college-level coursework. Developmental courses are costly and do not count towards graduation. The same TSI standards are also required for student who participate in Austin Community College's Dual Credit program. TSI standards for available assessments are listed below:

- TSI for SAT is a minimum score of 480 on the Evidence-Based Reading and Writing (EBRW) and 530 on Math.
- TSI for ACT is a composite score of 23 with a minimum of 19 on both English and Math.
- TSI for TSI Assessment is a minimum score of 351 on Reading, 350 on Mathematics, an Essay Score of 5 or a 4 with a 340-390 on the Writing multiple choice and at least a 4 on the Writing diagnostic.
- TSI for 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.
In accordance with provisions of EIC (Local) policy, Leander ISD shall point. The list is subject to change. Please contact the LISD Executive
The courses listed below currently receive the additional grade students receive additional weight in their grade point average for
average. The unweighted GPA is on a 4.0 scale. The weighted is on
Leander ISD calculates a weighted and unweighted grade point
and each six weeks carrying a weight of two-sevenths and the final exam
carried a weight of one-seventh.

VIII. Armed Services Vocational Aptitude Battery
The Armed Services Vocational Aptitude Battery (ASVAB) Career Exploration Program facilitates career planning and exploration,
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.

IX. Free Application for Federal Student Aid
The Free Application for Federal Student Aid (FAFSA) is available at www.FAFSA.ed.gov beginning October 1 of each year. It 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 in early March and 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. It is currently only available in paper form at the College for All Texan’s website (http://www.collegeforalltexans.com). See your counselor for additional information on FAFSA and TASFA.

X. GPA Calculation and Reporting
A student’s cumulative Grade Point Average (GPA) is calculated at the end of each semester beginning with the end of the first semester of a student’s freshman year. The student’s GPA is updated at the end of each semester and is calculated by averaging the final grades for each course taken. The final average per semester is calculated with each six weeks carrying a weight of two-sevenths and the final exam carrying a weight of one-seventh.

Leander ISD calculates a weighted and unweighted grade point average. The unweighted GPA is on a 4.0 scale. The weighted is on a 5.0 scale and used to determine class rank. On the weighted scale, students receive additional weight in their grade point average for taking Pre-AP, Pre-IB, AP or IB courses.

The courses listed below currently receive the additional grade point. The list is subject to change. Please contact the LISD Executive Director of Secondary Curriculum for the most recent list.

In accordance with provisions of EIC (Local) policy, Leander ISD shall categorize and weight courses as
• Advanced/Advanced Placement (AP)/IB
• Regular
• Modified Content.
<table>
<thead>
<tr>
<th>ACC #</th>
<th>Austin Community College Title</th>
<th>LISD High School Course Title</th>
<th>Credit</th>
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<td>Program Area: English Language Arts</td>
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<td>ENGL 2307</td>
<td>Creative Writing*</td>
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<td>ENGL 1301</td>
<td>English Composition I</td>
<td>English III Option 1: Take ENGL 1301, 1302 &amp; ENGL 2328 to receive credit*** Option 2: Take ENGL 1301 &amp; ENGL 1302 on an LISD campus with approved faculty/curriculum. Note: 1301 &amp; 1302 are prerequisites for American Literature (2328)</td>
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<td>English Composition II*</td>
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<td>ENGL 1301</td>
<td>English Composition I</td>
<td>English IV - Option 1: Take ENGL 1301, 1302, &amp; 2322 to receive credit. *** Option 2: Take ENGL 1301 &amp; ENGL 1302 on an LISD campus with approved faculty/curriculum. Note: 1301 &amp; 1302 are prerequisites for British Literature (2322)</td>
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<td>ENGL 2322</td>
<td>British Literature: Anglo-Saxon Through 18th Century*</td>
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<td>Effective Learning Strategies</td>
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<td>Introduction to Speech Communication</td>
<td>Communication Applications</td>
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<td>SPCH 1315</td>
<td>Fundamentals of Public Speaking</td>
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<td>MATH 1314</td>
<td>College Algebra*</td>
<td>Math Independent Study</td>
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<td>MATH 1316</td>
<td>Trigonometry*</td>
<td>Pre-Calculus</td>
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<td>MATH 2412</td>
<td>Pre-Calculus - Functions and Graphs*</td>
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<td>MATH 2413</td>
<td>Calculus*</td>
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<td>BIOL 1408</td>
<td>Introduction to Biology</td>
<td>Scientific Research and Design</td>
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<td>BIOL 2106</td>
<td>Environmental Biology, Lab</td>
<td>Environmental Systems (Must take both courses to receive credit)</td>
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<td>BIOL 2206</td>
<td>Environmental Biology, Lecture</td>
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<td>Introduction to Chemistry I - Lecture</td>
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<td>PHYS 1401</td>
<td>General College Physics I*</td>
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<td>ASTR 1403</td>
<td>Stellar Astronomy with Lab</td>
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<td>ENV 1301</td>
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<td>U.S. History I (before 1877)</td>
<td>Special Topics in Social Studies</td>
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<td>ECON 2301</td>
<td>Principles of Macroeconomics</td>
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<td>Intro to Physical Geography</td>
<td>World Geography (Must take both courses to receive credit)</td>
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<td>PSYC 2301</td>
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<td>ARTS 2347</td>
<td>Ceramics II*</td>
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<td>Russian I</td>
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</tr>
<tr>
<td>RUSS 1412</td>
<td>Russian II*</td>
<td>Russian II</td>
<td>1**</td>
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<tr>
<td>RUSS 2311</td>
<td>Russian III*</td>
<td>Russian III</td>
<td>1</td>
</tr>
<tr>
<td>RUSS 2312</td>
<td>Russian IV*</td>
<td>Russian IV</td>
<td>1</td>
</tr>
<tr>
<td>SGNL 1401</td>
<td>American Sign Language: Beginning I</td>
<td>American Sign Language I</td>
<td>1</td>
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<tr>
<td>SGNL 1402</td>
<td>American Sign Language: Beginning II*</td>
<td>American Sign Language II</td>
<td>1**</td>
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<tr>
<td>SGNL 2301</td>
<td>American Sign Language: Beginning III*</td>
<td>American Sign Language III</td>
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<tr>
<td>SPAN 1411</td>
<td>Spanish I</td>
<td>Spanish I</td>
<td>1</td>
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<tr>
<td>SPAN 1412</td>
<td>Spanish II*</td>
<td>Spanish II</td>
<td>1**</td>
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<tr>
<td>SPAN 2311</td>
<td>Spanish III*</td>
<td>Spanish III</td>
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<tr>
<td>KINE 1304</td>
<td>Personal Health</td>
<td>Health</td>
<td>1/2</td>
</tr>
<tr>
<td>KINE 1101</td>
<td>Aerobics I</td>
<td>Aerobics Activity (1st semester)</td>
<td>1/2***</td>
</tr>
<tr>
<td>KINE 2101</td>
<td>Aerobics II</td>
<td>Aerobics Activity (2nd semester)</td>
<td>1/2***</td>
</tr>
<tr>
<td>BUUS 2301</td>
<td>Business Law</td>
<td>Business Law</td>
<td>1/2</td>
</tr>
<tr>
<td>COMM 1307</td>
<td>Intro to Mass Communication</td>
<td>Journalism</td>
<td>1/2</td>
</tr>
<tr>
<td>COSC 1301</td>
<td>Introduction to Computing</td>
<td>Principles of Information Technology</td>
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</tr>
<tr>
<td>COSC 1315</td>
<td>Fundamentals of Programming</td>
<td>Fundamentals of Computer Science</td>
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<tr>
<td>COSC 1336</td>
<td>Programming Fundamentals I</td>
<td>Computer Science I</td>
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</tr>
<tr>
<td>COSC 1337</td>
<td>Programming Fundamentals II*</td>
<td>Computer Science II (Must take COSC 1336 and COSC 1337 to receive credit)</td>
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<tr>
<td>COSC 2456</td>
<td>Programming Fundamentals II: Data Structures*</td>
<td>Computer Science II</td>
<td>1</td>
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<tr>
<td>ACNT 1403</td>
<td>Introduction to Accounting I</td>
<td>Accounting I</td>
<td>1</td>
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<tr>
<td>ARTC 1302</td>
<td>Digital Imaging I</td>
<td>Graphic Design and Illustration</td>
<td>1</td>
</tr>
<tr>
<td>ARTV 1302</td>
<td>Introduction to Technical Animation and Rendering</td>
<td>Digital Art and Animation</td>
<td>1**</td>
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<tr>
<td>BITC 1411</td>
<td>Introduction to Biotechnology</td>
<td>Advanced Biotechnology</td>
<td>1</td>
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<tr>
<td>CETT 1425</td>
<td>Digital Fundamentals</td>
<td>Digital Electronics</td>
<td>1</td>
</tr>
<tr>
<td>CRU 1301</td>
<td>Introduction to Criminal Justice</td>
<td>Law Enforcement I</td>
<td>1</td>
</tr>
<tr>
<td>CRU 1306</td>
<td>Court Systems and Practices</td>
<td>Court Systems and Practices</td>
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</tr>
<tr>
<td>DFTG 1405</td>
<td>Technical Drafting</td>
<td>Architectural Design (Must take both courses to receive credit)</td>
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</tr>
<tr>
<td>DFTG 1417</td>
<td>Architectural-Residential*</td>
<td>Architectural Design</td>
<td>1</td>
</tr>
<tr>
<td>HPBS 1206</td>
<td>Essentials of Medical Terminology</td>
<td>Medical Terminology</td>
<td>1</td>
</tr>
<tr>
<td>IBUS 1305</td>
<td>Intro to International Business &amp; Trade</td>
<td>Global Business</td>
<td>1/2</td>
</tr>
</tbody>
</table>

*Has prerequisites: See current ACC Catalog.

**Recommended that this course be completed prior to the 2nd to 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.

***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.

This list is subject to change. Contact Teaching and Learning for additional course approval requests. Please contact Teaching and Learning for additional information.
Leander ISD offers a variety of programs at all high school campuses. Due to the characteristics and facility requirements of specialized programs, not all programs are offered on each campus. All programs at the high school level are offered in the campus course catalog. Students from all campuses are encouraged to enroll in specialized programs at another campus if the program meets their postsecondary education plans or career choice. Students generally enroll in specialized programs in one of three ways: 1) transfer completely to another campus, 2) complete an “A” day on one campus and “B” day on another campus, or 3) schedule classes at the sub-campus and travel during the day. Students who wish to use option #1 must go through the district transfer process. Please note that specific high school campus moratoria on transfers into or out of a campus supersede option #1.

If a student chooses to participate in a specialized program, it is the responsibility of the parents to ensure that the student’s transportation needs are met. Leander ISD encourages parents and students to use Options #1 and #2 and provide their own transportation. A limited transportation service is provided for students using Option #3 for specialized programs. Students using Option #3 and seeking to provide their own transportation to travel during the school day must have assistant principal approval prior to enrolling.

Students who choose specialized programs will be expected to maintain their attendance. If difficulties with transportation occur that lead to attendance issues, students will be subject to removal from the programs and transferred back to their home campus.

Specialized programs require special scheduling and commitment on the part of the parents, students, teachers and counselors. Parents and students are urged to contact their counselor early to start investigating benefits and options for participating in a specialized program.

**Transportation Provided**

LISD has established limited district transportation stops for International Baccalaureate (IB) students throughout the district for LHS and VHS (authorization pending). Campus IB Coordinators work closely with parents and the transportation department to schedule the IB district limited stops.

LISD has transportation routes scheduled for JROTC leaving CPHS and GHS (to LHS) and RHS (to VRHS) at 8 a.m. and returning during the lunch hour. Transportation for VHS students is provided via the IB bus for AFJROTC at LHS. Note: Regular bus routes do not arrive at each campus until after 8 a.m. Parents must ensure that student arrives at home campus prior to 8 a.m.

**UIL Eligibility and Specialized Programs**

The programs or courses listed here are specialized programs located on specified high school campuses. This list is not intended for use with issues involving transfers and UIL eligibility. Please contact the District Athletic Director or District Fine Arts Director for information concerning transferring for academic purposes and UIL eligibility.

### Current Specialized Programs on LISD High School Campuses

<table>
<thead>
<tr>
<th>Cedar Park High School</th>
<th>Glenn High School</th>
<th>Leander High School</th>
<th>Rouse High School</th>
<th>Vandegrift High School</th>
<th>Vista Ridge High School</th>
</tr>
</thead>
</table>

- **Architectural Design**
- **Construction Technology**
- **Culinary Arts: Restaurant Management**
- **Health Science Technology**
- **Hospitality: Hotel Management**
- **Electrical Technology**
- **Hospitality: Hotel Management**
- **International Baccalaureate Diploma Programme**
- **Incubatoredu**
- **Air Force Junior ROTC**
- **Navy Junior ROTC**

### Specialized Programs

#### Cedar Park High School
- AG: Horticulture & Landscape Design
- Architectural Design
- Construction Technology
- Culinary Arts: Restaurant Management
- Health Science Technology
- Hospitality: Hotel Management
- Electrical Technology
- International Baccalaureate Diploma Programme
- Air Force Junior ROTC

#### Glenn High School
- AG: Wildlife and Natural Resource Management
- Architectural Design
- Construction Technology
- Culinary Arts: Restaurant Management
- Health Science Technology
- Hospitality: Hotel Management
- Electrical Technology
- International Baccalaureate Diploma Programme
- Incubatoredu

#### Leander High School
- AG: Horticulture & Landscape Design
- Architectural Design
- Construction Technology
- Culinary Arts: Restaurant Management
- Health Science Technology
- Hospitality: Hotel Management
- Electrical Technology
- International Baccalaureate Diploma Programme

#### Rouse High School
- Architectural Design
- Construction Technology
- Culinary Arts: Restaurant Management
- Health Science Technology
- Hospitality: Hotel Management
- Electrical Technology

#### Vandegrift High School
- AG: Wildlife and Natural Resource Management
- Architectural Design
- Construction Technology
- Culinary Arts: Restaurant Management
- Health Science Technology
- Hospitality: Hotel Management
- Electrical Technology
- International Baccalaureate Diploma Programme
- Incubatoredu

#### Vista Ridge High School
- AG: Wildlife and Natural Resource Management
- Architectural Design
- Construction Technology
- Culinary Arts: Restaurant Management
- Health Science Technology
- Hospitality: Hotel Management
- Electrical Technology
- International Baccalaureate Diploma Programme
- Incubatoredu
- Navy Junior ROTC
Program Descriptions

**Prep-AP/IB** – Prep-AP/IB 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. Participation requires: 1) the ability to go above and beyond what is asked; 2) good time management skills; 3) reading and writing skills above average and 4) high interest in the subject matter.

**QUEST** – QUEST follows the same curricula standards and requisite Pre-AP skills as regular Pre-AP classes. QUEST is structured to provide a culture like the QUEST elementary and middle school programs that meet the learning and affective needs of QUEST students. Prerequisite: Identified QUEST students

**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.

**International Baccalaureate (IB) Diploma Programme (DP)** – The DP is a comprehensive and rigorous two-year curriculum, demanding strong commitment from both students and their families. 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. The DP student takes IB courses in six different subject areas. Students interested in pursuing the DP should contact the Campus IB Coordinator.

**Dual Credit** – The Dual Credit Program at Austin Community College (ACC) allows high school students the opportunity to earn college credit while in high school. These courses are “dual credit” if used to satisfy the high school graduation requirement, “co-enrollment” if taken for college credit only and “articulated” if taken in high school and later recaptured at ACC.

**OnRamps** – OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a UT faculty member and high school credit from their local teacher.

**Sheltered Instruction** – Sheltered Instruction follows the TEKS, curriculum, and materials of on-level courses. However, sheltered instruction strategies, pacing, and reading level materials are used to meet the individual learning needs of the student. Prerequisite: ELL students with limited English language proficiency

**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

**Applied** – Applied is based on the TEKS with a focus on prerequisite skills taught through hands on instructional strategies based on real life applications. Prerequisite: Committee Determination

Denotes courses receiving additional points toward GPA calculations.

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

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**ENGLISH**

The State Board of Edcations (SBOE) has approved the following courses to 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, College Preparatory English Language Arts, Creative Writing, Public Speaking III, Debate III, Oral Interpretation III, Advanced Journalism Newspaper III and Advanced Journalism Yearbook III.

**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 C. literacy skills. The higher-level critical thinking skills of analysis, evaluation, and synthesis are also practiced in authentic reading and writing contexts.

**English I Pre-AP**

Credit: 1
Grade: 10 - 12
PEIMS #03220100
Course #1112

**English I Pre-AP QUEST**

Credit: 1
Grade: 10 - 12
PEIMS #03220100
Course #1113

**English I Pre-AP/IB**

Credit: 1
Grade: 10 - 12
PEIMS #03220100
Course #1162

**English I Sheltered Instruction**

Credit: 1
Grade: 10 - 12
PEIMS #03220100
Course #1153

**English I M**

Credit: 1
Grade: 10 - 12
PEIMS #03220100
Course #1153

**English I Applied**

Credit: 1
Grade: 10 - 12
PEIMS #03220100
Course #1153

**English for Speakers of Other Languages I**

Credit: 1
Grade: 9 - 12
PEIMS #03200600
Course #1156

**Preparatory English Language Arts, Creative Writing, Public Speaking**

Credit: 1
Grade: 9 - 12
PEIMS #03200600
Course #1156

**Journalism Yearbook III.**

Credit: 1
Grade: 9 - 12
PEIMS #03200600
Course #1156

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.

Note: English for Speakers of other Languages (ESOL) I may be substituted for English I.

**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 Pre-AP  
Credit: 1  
PEIMS #03220300  
Course #1312

English II Pre-AP QUEST  
Credit: 1  
PEIMS #03220300  
Course #1213

English II Pre-AP/IB (LHS & VHS)  
Credit: 1  
PEIMS #03220300  
Course #1262

English II Sheltered Instruction  
Credit: 1  
PEIMS #03220300  
Course #1253

English II M  
Credit: 1  
PEIMS #03220300  
Course #1020

English II Applied  
Credit: 1  
PEIMS #03220300  
Course #1029

English for Speakers of Other Languages II  
Credit: 1  
PEIMS #032200700  
Course #1256

Prerequisite: ESOL I or ELL Newcomer

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.

Note: English for Speakers of other Languages (ESOL) II may be substituted for English II.

English III

Credit: 1  
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 C. literacy skills. The higher-level critical thinking skills of analysis, evaluation, and synthesis are also practiced in authentic reading and writing contexts.

English III Sheltered Instruction  
Credit: 1  
PEIMS #03220300  
Course #1353

English III M  
Credit: 1  
PEIMS #03220300  
Course #1030

English III Applied  
Credit: 1  
PEIMS #03220300  
Course #1039

English III AP  
Credit: 1  
PEIMS #03220300  
Course #1330

English III AP begins with a summer reading assignment, which becomes the basis for the first several weeks' study. Students will submit typed 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. College credit can be achieved by demonstrating competence in the Advanced Placement Exam.

Note: This course is designed to be the equivalent of freshman English programs at most colleges and universities. All students enrolled will have a summer reading assignment.

LHS & VHS

English III IB  
Credit: 1  
PEIMS #03220300  
Course #1340

Grade: 11 - 12

English III IB begins with a summer reading assignment, which becomes the basis for the first several weeks' study. Students will 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. College credit can be achieved by demonstrating competence in the International Baccalaureate Exam.

Note: This course is designed to be the equivalent of freshman English programs at most colleges and universities. All students enrolled will have a summer reading assignment.

English III - ACC Dual Credit  
Credit: 1  
PEIMS #03220300  
Course #1378/1379

Prerequisite: ACC Early College Start 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. This course is not used to determine grade point average (GPA) at the high school level.

English IV

Credit: 1  
PEIMS #03220300  
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.

English IV Sheltered Instruction  
Credit: 1  
PEIMS #03220300  
Course #1453

English IV Transition  
Credit: 1  
PEIMS #03220300  
Course #1045

English IV M  
Credit: 1  
PEIMS #03220300  
Course #1040

English IV Applied  
Credit: 1  
PEIMS #03220300  
Course #1049

College Preparatory English Language Arts

Credit: 1  
PEIMS #03220300  
Course #1411

Prerequisite: See counselor for eligibility requirements

College Preparatory English Language Arts is designed to prepare students for college level reading and writing intensive courses including freshman composition and other introductory college courses. Students will learn to use critical writing and reading to
successful completion of the ENGL 2322, ENGL 1301 and ENGL 1302 and is scheduled during the regular school day or evenings. Upon successful completion of the course, students will receive high school English IV credit. Students enrolled will have a summer reading assignment.

English IV AP
Credit: 1
Grade: 12
PEIMS #03220200 Course #1430

English IV 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 developing skills in composition and literary analysis through various activities. College credit can be achieved by demonstrating competence in the Advanced Placement Exam in English Language and Composition.

Note: This course is designed to be the equivalent of sophomore English programs at most colleges and universities. All students enrolled will have a summer reading assignment.

LHS & VHS
English IV IB
Credit: 1
Grade: 12
PEIMS #03220400 Course #1440

English IV 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. College credit can be achieved by demonstrating competence in the International Baccalaureate Exam.

Note: This course is designed to be the equivalent of sophomore English programs at most colleges and universities. All students enrolled will have a summer reading assignment.

English IV - ACC Dual Credit
Credit: 1
Grade: 12
PEIMS #03220100 Course #1478/1479

Prerequisite: ACC Early College Start 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. This course is not used to determine grade point average (GPA) at the high school level.

English IV - British Literature ACC Dual Credit
Credit: 1
Grade: 12
PEIMS #03220100 Course #1486

Prerequisite: 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. This course is not used to determine grade point average (GPA) at the high school level.

Speech

Chapter §74.11. of Texas Education Code requires students to demonstrate proficiency in communication skills needed for professional and social success. All Leander ISD freshmen are required to take Professional Communications/MAPS or AVID as a year-long state elective to receive the required communication skills instruction. Students entering a Leander ISD high school after the freshman year must replace this requirement with an approved substitution. Current approved substitutions are AVID II - IV, Debate, Public Speaking, Oral-Interpretation, Theory of Knowledge or Communication Applications. Additional substitutions will be considered. Students enrolling in Leander ISD from a Texas ISD after the 9th grade year are not required to take the Professional Communications/MAPS course or approved substitutions if the previous school indicated on the transcript the student met the speech requirement. Students in this scenario may select an additional elective to reach the required 26 credits for graduation.

Communication Applications
Credit: ½
Grade: 10 - 12
PEIMS #03241400 Course #1505

Communication Applications is designed to develop effective communications skills for students to successfully participate in professional and social life. Rapidly expanding technologies and changing social and corporate systems demand that students send clear verbal messages, choose effective nonverbal behaviors, listen for desired results, and apply valid critical-thinking and problem solving processes. Students enrolled in Communication Applications will be expected to identify, analyze, develop and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations.

Communication Applications M
Course #1050

Communication Applications Applied
Course #1059

Communication Applications - ACC Dual Credit
Credit: ½
Grade: 11 - 12
PEIMS #03241400 Course #1504

Prerequisite: ACC Early College Start Enrollment Process

Introduction to Speech Communications (SPCH 1311) is taught by an adjunct ACC professor and is scheduled during the regular school day or evenings. Students who complete SPCH 1311 will receive high school speech credit. Students must make at least a 70 to receive high school credit. This course is not used to determine grade point average (GPA) at the high school level.

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

Debate students learn various formats of high school competitive 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 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. Skill levels will increase with each level of Debate. Students may take Debate I-III, then an Independent Studies course in their Senior year. UIL and Texas Forensic Association competition is required.
Students in Public Speaking will learn concepts and skills related to preparing and presenting public messages. Students will analyze and evaluate the messages of others. Within this process, students will gain skills in reading, writing, speaking, listening and thinking and will examine areas such as invention, organization, style, memory and delivery. This course will cover a variety of speech styles following guidelines established by UIL and Texas Forensics Associations. UIL and Texas Forensics Association competition is required.

Note: Public Speaking I-III will be offered on campuses where there is sufficient student interest and instructor availability.

Oral Interpretation I-III
Credit: 1  Grade: 9 - 12
PEIMS #03240200  Course #1501
PEIMS #03240300  Course #1502
PEIMS #03240400  Course #1503

Oral Interpretation will cover interpretation of a wide variety of literature including prose, poetry, and drama. This course will cover a variety of speech styles following guidelines established by UIL and Texas Forensics Associations. UIL and Texas Forensics Association competition is required.

Note: Oral Interpretation I-III will be offered on campuses where there is sufficient student interest and instructor availability.

Independent Study in Speech I-III
Credit: 1  Grade: 10 - 12
PEIMS #03241200  Course #1527
PEIMS #03241210  Course #1528
PEIMS #03241220  Course #1529

Prerequisites: Instructor Approval

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
Credit: 1  Grade: 9 - 11
PEIMS #03230100  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  Grade: 10 - 12
PEIMS #03230800  Course #1546

Recommended Prerequisite: Journalism
Prerequisites: Student Interest 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 desktop publishing software to correct photos. Students are required to complete class projects as well as take photos at events for yearbook and newspaper.

Advanced Journalism: Yearbook Production I-III
Credit: 1  Grade: 10 - 12
PEIMS #03230110  Course #1534
PEIMS #03230120  Course #1535
PEIMS #03230130  Course #1536

Recommended Prerequisite: Journalism
Prerequisites: Student Information Request

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 Production I-III
Credit: 1  Grade: 10 - 12
PEIMS #03230140  Course #1537
PEIMS #03230150  Course #1538
PEIMS #03230160  Course #1539

Recommended Prerequisite: Journalism
Prerequisites: Student Information Request

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

Journalism Independent Study I-III
Credit: 1  Grade: 10 - 12
PEIMS #03231000  Course #1547
PEIMS #03231011  Course #1548
PEIMS #03231022  Course #1549

Prerequisite: Student Information Request

Journalism Independent Study 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  Grade: 9 - 12
PEIMS #03270700  Course #1591
PEIMS #03270800  Course #1592
PEIMS #03270900  Course #1593

Prerequisite: Current ELL 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.

improvement I-III
Credit: 1  Grade: 9 - 12
PEIMS #03270700  Course #1051
PEIMS #03270800  Course #1052
PEIMS #03270900  Course #1053
Prerequisite: 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 content may occur depending on the individual learning needs of the students.

Writing Electives

Creative and Imaginative Writing
Credit: ½ - 1  Grade: 10 - 12
PEIMS #03221200  Course #1552 Semester, #1551
Prerequisite: Satisfactory completion of 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  Grade: 9 - 12
PEIMS #03221100  Course #1055
PEIMS #03221200  Course #1056
PEIMS #03231300  Course #1057
Prerequisite: 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: AP Computer Science (Technology Applications), Digital Electronics (CTE) and Accounting II (CTE). Please see your counselor for additional information concerning substitution options/requirements.

Algebra I

Credit: 1  Grade: 9 - 12
PEIMS #03100500  Course #2110
Prerequisite: Mathematics, Grade 8 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.

Math Models with Applications

Credit: 1  Grade: 11 - 12
PEIMS #03102400  Course #2310
Prerequisites: 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.

Geometry

Credit: 1  Grade: 9 - 12
PEIMS #03100700  Course #2210
Prerequisite: 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.

Math Models with Applications

Credit: 1  Grade: 11 - 12
PEIMS #03102400  Course #2310
Prerequisites: 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.

Math Models with Applications Sheltered Instruction
Course #2325
Math Models with Applications
Course #2209
Math Models with Applications Applied
Course #2039
## Algebra II

**Algebra II**  
Credit: 1  
PEIMS #03100600  
Course #2212  
Prerequisites: Algebra I  

**Recommended Prerequisite:** 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.

**Algebra II Pre-AP 🌟**  
PEIMS #03101200  
Course #2231  

**Algebra II Pre-AP/IB 🌟 (LHS & VHS)**  
PEIMS #03101200  
Course #2240  

**Algebra II Sheltered Instruction**  
PEIMS #03101200  
Course #2315

### Precalculus

**Precalculus**  
Credit: 1  
PEIMS #03101100  
Course #2312  
Prerequisites: Algebra II  

Pre-Calculus 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 Pre-Calculus 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.

**Pre-Calculus Pre-AP 🌟**  
PEIMS #03101100  
Course #2332

### Additional Mathematics Course Options

#### Statistics

**Statistics**  
Credit: 1  
PEIMS #03102530  
Course #2433  
Prerequisites: Geometry and Algebra II  

**LISD Prerequisite:** 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.

**Statistics AP 🌟**  
PEIMS #A3100200  
Course #2432  
Prerequisites: Algebra II  

Statistics Advanced Placement topics include real world applications used daily in most businesses and required by most business and scientific programs. Students are expected to take the Advanced Placement Exam. The course will follow the AP Statistics requirements outlined in the College Board’s “Course Description” for AP Statistics.  

**Note:** At LHS, this course is strongly recommended to prepare students for the IB Math Studies Exam.
Calculus AB AP ☆
Credit: 1
Grade: 11 - 12
PEIMS #A3100101 Course #2430

Prerequisite: Pre-calculus
Calculus AB Advanced Placement 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. College credit can be achieved by demonstrating competence on the Advanced Placement exam.

Calculus BC AP ☆
Credit: 1
Grade: 12
PEIMS #A3100102 Course #2431

Prerequisite: Pre-Calculus
Calculus BC Advanced Placement 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. College credit can be achieved by demonstrating competence on the Advanced Placement exam.

LHS & VHS
Mathematical Studies SL IB ☆
Credit: 1
Grade: 12
PEIMS #I3100100 Course #2441

Mathematical Studies SL IB focuses on applications of mathematics and statistical techniques. It is designed to offer students with varied mathematical backgrounds and abilities the opportunity to learn important concepts and techniques and to gain an understanding of a wide variety of mathematical topics, preparing them to solve problems in a variety of settings, develop more sophisticated mathematical reasoning and enhance their critical thinking. This course prepares student to take the International Baccalaureate Mathematical Studies SL exam.

LHS & VHS
Mathematics SL IB ☆
Credit: 1
Grade: 12
PEIMS #I3100200 Course #2342

Prerequisite: Pre-Calculus IB
IB Math SL consists of seven core topics including circular and trigonometric functions, vectors, matrices, statistics and probability, and calculus. Students also complete a portfolio representing mathematical investigation and mathematical modeling. This course prepares student to take the International Baccalaureate Math SL exam.

LHS & VHS
Mathematics HL IB ☆
Credit: 1
Grade: 12
PEIMS #I3100300 Course #2440

Prerequisite: AP Calculus BC
IB Math HL consists of all core content of the SL course as well as additional advanced topics in each area such as further vector, statistics and calculus applications. HL students must also complete an optional topic as well as submit a portfolio. This course prepares students to take the International Baccalaureate math HL exam.

Biology
Credit: 1
Grade: 9 - 12
PEIMS #03010200 Course #3210

Biology investigates the interrelationships between living organisms and the world around them. Topics include cellular biology and classification, biochemistry, systems interactions, DNA and proteins, genetics and biotechnology, change and ecology, and science skills and problem-solving. Concrete laboratory investigations and simulations deepen student understanding of topics covered.

Biology Pre-AP ☆
Credit: 1
Grade: 11 - 12
PEIMS #A3010200 Course #3230

Biology Pre-AP/IB ☆ (LHS & VHS)
Credit: 1
Grade: 11 - 12
PEIMS #A3010200 Course #3230

Biology Sheltered Instruction
Credit: 1
Grade: 11 - 12
PEIMS #A3010200 Course #3230

Biology M
Credit: 1
Grade: 11 - 12
PEIMS #A3010200 Course #3230

Biology Applied
Credit: 1
Grade: 11 - 12
PEIMS #A3010200 Course #3230

Biology AP ☆
Credit: 1
Grade: 11 - 12
PEIMS #A3010200 Course #3230

Prerequisites: Biology and Chemistry
Biology AP is designed to be the equivalent of a first-year college biology course with laboratory investigations recommended by the College Board. 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 AP Biology exam.

LHS & VHS
Biology SL IB ☆
Credit: 1
Grade: 11 - 12
PEIMS #I3010201 Course #3240

Prerequisites: 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 International Baccalaureate exam.

LHS & VHS
Biology HL IB ☆
Credit: 1
Grade: 12
PEIMS #I3010202 Course #3242

Prerequisite: 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 complement the topics studied. Students who complete this course are eligible to sit for the International Baccalaureate exam.

Integrated Physics and Chemistry

Integrated Physics and Chemistry (IPC)
Credit: 1
Grade: 10 - 12
PEIMS #03060201 Course #3106

Integrated Physics and Chemistry is an introduction to the science...
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 include stoichiometry, chemical equilibria, redox and electrochemistry. Chemistry IB II 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 Advanced Placement Chemistry exam.

Physics

Physics  C: Mechanics AP  ★
Credit: 1  
Grades: 10 - 12
PEIMS #A3050006  
Course #3430
Prerequisites: Biology, Chemistry, Physics and credit or concurrent enrollment in Calculus

Physics C AP is a college calculus-based physics course that includes the study of mechanics, as well as the opportunity to learn about electricity and magnetism. Emphasis is on content, critical thinking as well as problem-solving techniques. The course is intended for students who plan on studying engineering or the physical sciences in college. This course prepares students to take the Advanced Placement Physics C exam in Mechanics and/or Electricity and Magnetism.
Environmental Systems
Credit: 1
Prerequisite: Biology, and Chemistry or IPC
PEIMS #03050002 Course #3440
Prerequisite: Three years of high school science including Chemistry and Physics. Credit for or concurrent enrollment in Algebra II.

Physics I IB 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 II IB will involve a more in-depth study of topics begun in Pre-IB Physics, 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 Standard Level IB Physics (IB Physics SL) IB Exam.

Environmental Systems Sheltered Instruction
Credit: 1
Prerequisite: Three years of high school science including Chemistry and Physics. Credit for or concurrent enrollment in Precalculus.

Physics II IB continues the studies learned in Pre-IB Physics. Practical applications and higher level thinking skills are emphasized. Topics included in Physics II IB 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 Higher Level IB Physics (IB Physics HL) 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 counselor for additional information concerning substitution options/requirements.

Environmental Science AP
Credit: 1
Prerequisite: Biology, and Chemistry or IPC
PEIMS #A3020000 Course #3441
Environmental Science AP is a science based, relevant, interdisciplinary course that combines ideas from the natural and social sciences. Students will study the interconnections between the environmental and societal systems. The content areas addressed are: interdependence of earth's systems, human population dynamics, renewable/nonrenewable resources (distribution, ownership, use, degradation), environmental quality, global changes/consequences, and environment/society. This course prepares students to take the Advanced Placement Environmental Science exam.

Earth, Wind, and Fire: Introduction to Geoscience
Credit: 1
Prerequisite: Two years of science, credit for or concurrent enrollment in a third science course, two years of math, credit for or concurrent enrollment in a third math course

Earth, Wind, and Fire is an introduction to geosciences, with a focus on the basics of physical geology with an emphasis on environmental problems. The geosciences are at the heart of many challenges facing humans in this century: climate change, sustainability, energy resources, land use, and natural hazards. A solid grounding in geoscience literacy is an important base for all citizens, and is the primary goal of the course. The course utilizes the UT OnRamps curriculum. The UT OnRamps Dual Enrollment partnership is with the University of Texas at Austin. Students have the opportunity to earn college credit.

Earth and Space Science
Credit: 1
Prerequisite: Two years of science, credit for or concurrent enrollment in a third science course, two years of math, credit for or concurrent enrollment in a third math course

Earth and Space Science is a science class that uses topics introduced in Biology, Chemistry, and Physics classes to study themes that affect the Earth, other plants and stars. These themes include: space and time, components, space systems, internal and external energy, and the effects of natural and human-influenced processes.

World Geography
Credit: 1
Prerequisite: Two years of science, credit for or concurrent enrollment in a third science course, two years of math, credit for or concurrent enrollment in a third math course

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
Prerequisite: Biology, and Chemistry or IPC
PEIMS #A3360100 Course #3440
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.

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

### World History

#### U.S. History

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>U.S. History</td>
<td>1</td>
<td>11 - 12</td>
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<tr>
<td>PEIMS #03340100</td>
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<td>Course #4310</td>
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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 Sheltered Instruction

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>U.S. History Sheltered Instruction</td>
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<td>11 - 12</td>
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<td>Course #4311</td>
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#### U.S. History M

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<tr>
<td>U.S. History M</td>
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<td>11 - 12</td>
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<td>Course #4020</td>
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#### U.S. History Applied

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<tr>
<td>U.S. History Applied</td>
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#### U.S. History AP

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<tr>
<td>PEIMS #A3340100</td>
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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. Upon completion of the course, students can take the Advanced Placement exam to receive up to six hours of college credit.

#### LHS & VHS

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<thead>
<tr>
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<td>History of the Americas IIB</td>
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<td>11 - 12</td>
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<tr>
<td>PEIMS #I3301100</td>
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</table>

History of the Americas I IB 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.

### U.S. Government

#### U. S. Government

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<td>PEIMS #03330100</td>
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<td>Course #4410</td>
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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 M

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<tr>
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#### U. S. Government Applied

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#### U.S. Government AP

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<td>PEIMS #A3330100</td>
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<td>Course #4430</td>
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U.S. Government AP is the equivalent to college-level survey U.S. Government. Upon completion of the course, students have the opportunity to take the Advanced Placement exam to receive college credit.

#### U.S. Government (GOVT 2305) - ACC Dual Credit

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<th>Course</th>
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<tr>
<td>U.S. Government (GOVT 2305)</td>
<td>½</td>
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<td>PEIMS #03330100</td>
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<td>Course #4480</td>
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Prerequisite: ACC Early College Start 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. This course is not used to determine grade point average (GPA) at the high school level.
Economics

Economics with Free Enterprise System and its Benefits
Credit: ½ Grade: 12
PEIMS #03310300 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.

Economics - Free Enterprise M
Course #4050
Economics - Free Enterprise Applied
Course #4059

Macroeconomics AP *
Credit: ½ Grade: 12
PEIMS #A3310200 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. Upon completion of the course, students have the opportunity to take the Advanced Placement exam to receive college credit.

Microeconomics AP *
Credit: ½ Grade: 12
PEIMS #A3310100 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. Upon completion of the course, students have the opportunity to take the Advanced Placement exam to receive college credit.

Influence of the New Testament Bible on American Civilization
Credit: ½ Grade: 11 - 12
PEIMS #03380062 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 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.

Investigations in Psychology
Credit: ½ Grade: 10 - 12
PEIMS #03380032 Course #4493
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 Grade: 10 - 12
PEIMS #A3350100 Course #4492
Prerequisite: 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. College credit can be achieved by demonstrating competence on the AP Psychology Exam.

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

Additional Social Studies Course Options

European History AP *
Credit: 1 Grade: 11 - 12
PEIMS #A3340200 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. Upon completion of this course, students have the opportunity to take the AP exam to receive college credit. This course may not be used to substitute for World History.

Note: European History AP will be offered on campuses where there is sufficient student interest and instructor availability.

Influence of the Old Testament Bible on American Civilization
Credit: ½ Grade: 11 - 12
PEIMS #03380052 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.

Note: Influence of the OT/NT Bible on American Civilization will be offered on campuses where there is sufficient student interest and instructor availability.

Influence of the Old Testament (OT) Bible on American Civilization
Credit: ½ Grade: 11 - 12
PEIMS #03380052 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 Grade: 11 - 12
PEIMS #03380062 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 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.

Investigations in Psychology
Credit: ½ Grade: 10 - 12
PEIMS #03380032 Course #4493
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 Grade: 10 - 12
PEIMS #A3350100 Course #4492
Prerequisite: 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. College credit can be achieved by demonstrating competence on the AP Psychology Exam.

Due to potential limitations of course section seating, preference will be given to 11th and 12th graders.
LHS & VHS
Psychology I IB ✦
Credit: 1
Grade: 11 - 12
PEIMS #I3304100
Course #4552

Psychology I IB 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 II IB ✦
Credit: 1
Grade: 12
PEIMS #I3304200
Course #4554

Prerequisites: Psychology I IB

Psychology II IB 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 qualitative and quantitative methods during the spring semester.

Personal Financial Literacy
Credit: ½
Grade: 10 - 12
PEIMS #03380082
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
Grade: 10 - 12
PEIMS #03350100
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 AP Psychology. This course may not be taken in conjunction with Psychology AP.

Sociology
Credit: ½
Grade: 10 - 12
PEIMS #03370100
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.

Texas Government (GOVT 2306) - ACC Dual Credit
Credit: ½
Grade: 11 - 12
PEIMS #03380002
Course #4487

Prerequisite: ACC Early College Start 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 is not used to determine grade point average (GPA) at the high school level.

Note: This course does not satisfy the U.S. Government requirement for graduation.

U.S. History I (HIST 1301) - ACC Dual Credit
Credit: ½
Grade: 11 - 12
PEIMS #03380002
Course #4485

Prerequisite: ACC Early College Start Enrollment Process

U.S. History (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 is not used to determine grade point average (GPA) at the high school level.

Note: This course does not satisfy the U.S. History requirement for graduation.

Languages Other Than English

Students who plan to register for any LOTE course and are already proficient in the language, may take an exam to place out of the language, or advance to upper levels. Leander ISD offers ACTFL exams to determine proficiency and placement in a language. The student may skip levels based on the outcomes of the exam. Credit is awarded based on the proficiency level of the student. To register for the exam, please see your counselor.

Certain programs may substitute for LOTE credit. Please see the LOTE substitution section of the course catalog for detailed substitution information.

American Sign Language

Note: Although American Sign Language (ASL) is a state approved LOTE elective credit, not all colleges and universities accept ASL for admission purposes. Many 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
Grade: 9 - 12
PEIMS #03980100
Course #5101

American Sign Language I M
Course #5034

American Sign Language I Applied
Course #5030

American Sign Language II
Credit: 1
Grade: 10 - 12
PEIMS #03980200
Course #5102

Prerequisite: ASL I

American Sign Language II M
Course #5035

American Sign Language II Applied
Course #5031
American Sign Language III  
Credit: 1  
Grade: 11 - 12  
PEIMS #03980300  
Course #5103  
Prerequisite: ASL II

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.

American Sign Language III Applied  
Course #5032

American Sign Language IV  
Credit: 1  
Grade: 12  
PEIMS #03980400  
Course #5104  
Prerequisite: ASL III

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.

American Sign Language IV Applied  
Course #5033

Chinese

Chinese I  
Credit: 1  
Grade: 9 - 12  
PEIMS #03490100  
Course #5151

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. Pinyin, the pronunciation system for Mandarin Chinese, is covered 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. Students will also have the opportunity to explore different aspects of the culture including traditional holidays, foods, music, and the arts. Chinese II-IV will be offered in the future.

Note: Chinese will be offered on campuses where there is sufficient student interest and instructor availability.

French

French I  
Credit: 1  
Grade: 9 - 12  
PEIMS #03410100  
Course #5201

French I introduces the basic language skills of viewing, showing, listening, speaking, reading and writing. French I stresses oral communication while learning basic grammar structures to reduce the risk of miscommunication. Elementary creative writing projects reinforce language skills and students will be expected to take an active role in all oral and written activities.

French I M  
Course #5020  

French I Applied  
Course #5029

French II  
Credit: 1  
Grade: 10 - 12  
PEIMS #03410200  
Course #5202  
Prerequisite: 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 Pre-AP/IB  
Credit: 1  
Grade: 10 - 12  
PEIMS #03410200  
Course #5206  
Prerequisite: Recommended overall average of 85 or above in French I or through District Placement Exam.

French II Pre-AP/IB is an accelerated course which focuses on continued language study with greater depth and range of subject matter necessary for success in advanced French courses. This course is designed for students who have a strong interest in learning French, who already know some French, or who are college-bound. Students continue to develop proficiency in all four language skills - listening, speaking, reading, and writing - with a strong emphasis on the ability to communicate and interact orally and in writing. Students will also explore the customs and traditions of French-speaking people using authentic materials. Students planning to continue to Pre-AP French III are strongly encouraged to enroll in this course.

French III Pre-AP  
Credit: 1  
Grade: 11 - 12  
PEIMS #03410300  
Course #5203  
Prerequisite: French II

French III Pre-AP 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. The study of Francophone culture is highlighted through films, art, literature and authentic readings.

LHS & VHS

French III Pre-IB  
Credit: 1  
Grade: 11 - 12  
PEIMS #03410300  
Course #5205  
Prerequisite: French II

French III Pre-IB continues to build communication skills established in levels I and II. Students will learn complex grammar and vocabulary necessary to read, write, understand and speak authentic, contemporary French. Individual topics vary among IB core and option subjects. Writing focuses on IB text types. The emphasis is preparation for IB assessments which may begin at the end of Pre-IB III and which continue throughout French IV IB.

French IV AP  
Credit: 1  
Grade: 12  
PEIMS #A3410100  
Course #5230  
Prerequisite: French III Pre-AP

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 will prepare students for the Advanced Placement French Language.

LHS & VHS

French IV IB  
Credit: 1  
Grade: 12  
PEIMS #A3410400  
Course #5240  
Prerequisite: French III Pre-IB

French IV 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
Latin

Latin I
Credit: 1
Grade: 9 - 12
PEIMS #03430100
Course #5401
Prerequisite: Latin I
Latin I introduces students to the language and culture that is the basis of Western civilization. In addition to vocabulary and grammar studies, students will explore ancient Roman daily life through a variety of projects and presentations. Students will study Roman contributions to Western man such as mythology and architecture.

Latin II
Credit: 1
Grade: 10 - 12
PEIMS #03430200
Course #5402
Prerequisite: Latin I
Latin II extends the student’s knowledge of Roman language, grammar, vocabulary, etymology and culture through readings and translations. Students will explore Roman history, its armies, and political intrigue through research projects and presentations.

Latin II M
Course #5037

Latin II Pre-AP/IB
Credit: 1
Grade: 10 - 12
PEIMS #03430200
Course #5406
Prerequisite: Recommended overall average of 85 or above in Latin I or through District Placement Exam.
Latin II Pre-AP is a course which focuses on continued language study with greater depth and range of subject matter necessary for success in upper level Latin courses. This course is designed for students who have a strong interest in learning Latin and who are college-bound. Students planning to continue to Pre-AP Latin III are strongly encouraged to enroll in this course.

Latin III Pre-AP
Credit: 1
Grade: 11 - 12
PEIMS #03430300
Course #5403
Prerequisite: Latin II
Latin III Pre-AP offers the student opportunities to refine comprehension and independent thinking skills. Translation practice and literary analysis encourage creativity with the language and provide an investigation into the lives and literature of the Romans.

Spanish

Spanish I
Credit: 1
Grade: 9 - 12
PEIMS #03440100
Course #5501
Prerequisite: Spanish I
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
Grade: 9 - 12
PEIMS #03440200
Course #5502
Prerequisite: 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.

French V
Credit: 1
Grade: 12
PEIMS #034310500
Course #5233
Prerequisite: French IV
French V 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.

Latin III Pre-IB
Credit: 1
Grade: 12
PEIMS #A3430100
Course #5430
Prerequisite: Latin III Pre-AP
Latin III Pre-IB offers the student opportunities to refine comprehension and independent thinking skills. Translation practice and literary analysis encourage creativity with the language and provide an investigation into the lives and literature of the Romans.
continue to develop proficiency in all four language skills - listening, speaking, reading and writing - with a strong emphasis on the ability to communicate and interact orally and in writing. Students will also explore the customs and traditions of Spanish-speaking peoples through the use of authentic materials. Students planning to continue to Pre-AP Spanish III are strongly encouraged to enroll in this course.

Spanish III
Credit: 1 Grade: 10 - 12
PEIMS #03440300 Course #5505
Prerequisite: 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. Course will be primarily in Spanish. Students planning on taking AP Spanish are strongly encouraged to take this course.

Spanish III Pre-AP ✡
Credit: 1 Grade: 10 - 12
PEIMS #03440300 Course #5503
Prerequisite: Spanish II
Spanish III Pre-AP is a college preparatory course. It 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. Students will further develop reading, writing and analysis skills through authentic materials. The study of Hispanic culture will be highlighted through videos, art, literature and authentic readings. Course will be primarily in Spanish. Students planning on taking AP Spanish are strongly encouraged to take this course.

Spanish III Pre-IB ✡ (LHS & VHS)
Credit: 1 Grade: 10 - 12
PEIMS #03440300 Course #5504
Prerequisite: Spanish II
Spanish III IB is a college preparatory course. It 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. Students will further develop reading, writing, and analysis skills through authentic materials. The study of Hispanic culture will be highlighted through videos, art, literature and authentic readings. Course will be primarily in Spanish.

Spanish IV AP ✡
Credit: 1 Grade: 11 - 12
PEIMS #A3440100 Course #5530
Prerequisite: Spanish III, or through test 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 the student for the AP Spanish Language and Culture Exam.

Fine Arts

LHS & VHS
Spanish IV IB ✡
Credit: 1 Grade: 11 - 12
PEIMS #I3440400 Course #5540
Prerequisite: 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 will prepare students for the IB Spanish Language Exam.

Spanish IV AP ✡
Credit: 1 Grade: 12
PEIMS #A3440200 Course #5532
Prerequisite: Spanish IV AP
Spanish V AP is a survey of Hispanic Literature. This course stresses oral skills, composition, and grammar while using 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 the student for the AP Spanish Literature Exam.

Spanish V IB ✡
Credit: 1 Grade: 12
PEIMS #I3440500 Course #5542
Prerequisite: 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.

Spanish V AP
Credit: 1 Grade: 12
PEIMS #A3440100 Course #5530
Prerequisite: Spanish III, or through test placement
Spanish V 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 the student for the AP Spanish Language and Culture Exam.

Visual Arts

Art I
Credit: 1 Grade: 9 - 12
PEIMS #03500100 Course #6101
Students will work with a variety of drawing, painting and sculpting media while developing the elements and principles of art.

Art I - Studio (Grade: 9-10)
Prerequisite: Previous art instruction and portfolio review
Course #6102

Art I M
Course #6010

Art I Applied
Course #6011
**Drawing**

**Art II: Drawing**
- Credit: 1
- Grade: 10 - 12
- PEIMS #03500500
- Course #6122

**Prerequisite:** 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. There may be a cost associated with taking this course.

**Art II: Drawing M**
- Course #6123

**Art III: Drawing**
- Credit: 1
- Grade: 11 - 12
- PEIMS #03501300
- Course #6124

**Prerequisite:** 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. There may be a cost associated with taking this course.

**Art III: Drawing M**
- Course #6125

**Art IV: Drawing**
- Credit: 1
- Grade: 12
- PEIMS #03502300
- Course #6126

**Prerequisite:** Art III: Drawing M

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. There may be a cost associated with taking this course.

**Art IV: Drawing M**
- Course #6127

**Painting**

**Art II: Painting**
- Credit: 1
- Grade: 10 - 12
- PEIMS #03500600
- Course #6132

**Prerequisite:** 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. There may be a cost associated with taking this course.

**Art II: Painting M**
- Course #6133

**Art III: Painting**
- Credit: 1
- Grade: 11 - 12
- PEIMS #03501400
- Course #6134

**Prerequisite:** Art II: Painting

Students will become familiar with different cultural painting styles and apply a variety of paining techniques. Students will apply design skills in creating their artwork. There may be a cost associated with taking this course.

**Art III: Painting M**
- Course #6135

**Art IV: Painting**
- Credit: 1
- Grade: 12
- PEIMS #03502400
- Course #6136

**Prerequisite:** 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. There may be a cost associated with taking this course.

**Art IV: Painting M**
- Course #6137

**Sculpture**

**Art II: Sculpture**
- Credit: 1
- Grade: 10 - 12
- PEIMS #03501000
- Course #6152

**Prerequisite:** 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. There may be a cost associated with taking this course.

**Art II: Sculpture M**
- Course #6153

**Art III: Sculpture**
- Credit: 1
- Grade: 11 - 12
- PEIMS #03501900
- Course #6154

**Prerequisite:** 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. There may be a cost associated with taking this course.

**Art III: Sculpture M**
- Course #6155

**Art IV: Sculpture**
- Credit: 1
- Grade: 12
- PEIMS #03502800
- Course #6156

**Prerequisite:** 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. There may be a cost associated with taking this course.

**Art IV: Sculpture M**
- Course #6157

**Ceramics**

**Art II: Ceramics**
- Credit: 1
- Grade: 10 - 12
- PEIMS #03500900
- Course #6142

**Prerequisite:** 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. There may be a cost associated with taking this course.

**Art II: Ceramics M**
- Course #6143

**Art III: Ceramics**
- Credit: 1
- Grade: 11 - 12
- PEIMS #03501800
- Course #6144

**Prerequisite:** 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. There may be a cost associated with taking this course.

**Art III: Ceramics M**
- Course #6145
Art IV: Ceramics
Credit: 1 Grade: 12
PEIMS #03502700 Course #6144

Prerequisite: 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. There may be a cost associated with taking this course.

Art IV: Ceramics M
Credit: 1 Grade: 11 - 12
PEIMS #03502700 Course #6025

Photography

Art II: Photography
Credit: 1 Grade: 10 - 12
PEIMS #03501200 Course #6162

Prerequisite: 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. There may be a cost associated with taking this course.

Art III: Photography
Credit: 1 Grade: 11 - 12
PEIMS #03502200 Course #6163

Prerequisite: 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 edit 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 Lightroom software. There may be a cost associated with taking this course.

Art IV: Photography
Credit: 1 Grade: 12
PEIMS #03503100 Course #6164

Prerequisite: Art III: Photography

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 edit 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 Lightroom software. There may be a cost associated with taking this course.

Advanced Art

AP Art - Drawing Portfolio
Credit: 1 Grade: 11 - 12
PEIMS #A3500300 Course #6105

Prerequisite: 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. There may be a cost associated with taking this course.

AP Art - Two-Dimensional Design Portfolio
Credit: 1 Grade: 11 - 12
PEIMS #A3500400 Course #6109

Prerequisite: 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. There may be a cost associated with taking this course.

AP Art - Three-Dimensional Design Portfolio
Credit: 1 Grade: 11 - 12
PEIMS #A3500500 Course #6110

Prerequisites: 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. There may be a cost associated with taking this course.

AP Art - Art History
Credit: 1 Grade: 10 - 12
PEIMS #A3500100 Course #6111

LHS & VHS IB Art I-II "☆"
Credit: 1 Grade: 11 - 1
PEIMS #I3600100 Course #6107
PEIMS #I3600200 Course #6108

Prerequisites: 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. There may be a cost associated with taking this course.

Performing Arts

Band

Band I-IV
Credit: 1 Grade: 9 - 12
PEIMS #03150400
PEIMS #03150300
PEIMS #03150100

Prerequisite: Audition

IB Art I-II “☆”
Credit: 1

Students will 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. College credit may be earned by demonstrating competence on the AP Art History Examination.

Note: Art History AP will be offered on campuses where there is sufficient student interest and instructor availability. Due to potential limitations of course section seating, preference will be given to 11th and 12th graders.

Advanced Art

AP Art - Drawing Portfolio "☆"
Credit: 1 Grade: 11 - 12
PEIMS #A3500300 Course #6105

Prerequisite: 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. There may be a cost associated with taking this course.

AP Art - Two-Dimensional Design Portfolio "☆"
Credit: 1 Grade: 11 - 12
PEIMS #A3500400 Course #6109

Prerequisite: 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. There may be a cost associated with taking this course.

AP Art - Three-Dimensional Design Portfolio "☆"
Credit: 1 Grade: 11 - 12
PEIMS #A3500500 Course #6110

Prerequisites: 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. There may be a cost associated with taking this course.

AP Art - Art History "☆"
Credit: 1 Grade: 10 - 12
PEIMS #A3500100 Course #6111

LHS & VHS IB Art I-II "☆"
Credit: 1 Grade: 11 - 1
PEIMS #I3600100 Course #6107
PEIMS #I3600200 Course #6108

Prerequisites: 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. There may be a cost associated with taking this course.

Performing Arts

Band

Band I-IV
Credit: 1 Grade: 9 - 12
PEIMS #03150400
PEIMS #03150300
PEIMS #03150100

Prerequisite: 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.

Note: 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

Jazz Ensemble I-IV
Credit: ½ - 1 Grade: 9 - 12
PEIMS #03151300 Course #6281 semester, 6285
PEIMS #03151400 Course #6282 semester, 6286
PEIMS #03151500 Course #6283 semester, 6287
PEIMS #03151600 Course #6281 semester, 6288

Prerequisite: 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 Grade: 9 - 12
PEIMS #03150100 Course #6261

Prerequisite: 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. There may be a cost associated with taking these courses.

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

Choir

Choir I-IV Credit: 1 Grade: 9 - 12
PEIMS #03150900 Course #6262
PEIMS #03151000 Course #6263
PEIMS #03151100 Course #6264

Prerequisites: 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. There may be a cost associated with participating in choir.

Note: Show Choir meets the state standard for the Physical Education Graduation Requirement.

Tenor/Bass Choir I-IV Course #6327-6330, 6315-6318
Treble Choir I-IV Course #6323-6326, 6311-6314
Mixed Choir I-IV Course #6331-6334, 6319-6322
Show Choir I-IV Course #6343-6346
Choir: I-IV M Course #6030-6033
Vocal Ensemble I-IV Course #(See Counselor) Grade: 9 - 12

PEIMS #03152100 Course #6335
PEIMS #03152200 Course #6336
PEIMS #03152300 Course #6337
PEIMS #03152400 Course #6338

Prerequisites: 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. There may be a cost associated with taking these courses.

Music Studies

LHS IB Music SL & HL Credit: 1 Grade: 11 - 12
Credit: 1
PEIMS #3250200 Course #6347
PEIMS #3250300 Course #6300
Prerequisite: 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 conjuction with one of the school’s large ensembles (Band, Choir), or be involved in private lessons outside of school. Students in IB SL are expected to complete the IB Standard Level (SL) Music Exam in May after completing this course, or continue on to IB Music HL and test at the end of that year. Students in IB (HL) are expected to complete the IB Higher Level (HL) Music Exam in May.

Music Theory
Credit: 1  
Grade: 11 - 12  
PEIMS #03155400 Course #6349

Prerequisites: 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.

AP Music Theory *
Credit: 1  
Grade: 10 - 12  
PEIMS #A3150200 Course #6348

Prerequisites: 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. Students are encouraged to take the Advanced Placement Examination in Music Theory.

Note: Music Theory AP will be offered on campuses where there is sufficient student interest and instructor availability.

Dance

Principles of Dance I-IV
Credit: 1  
Grade: 9 - 12  
PEIMS #03930100 Course #6351
PEIMS #03830200 Course #6361
PEIMS #03830300 Course #6383
PEIMS #03830400 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. There may be a cost associated with taking a Dance course.

Note: After successful completion of Dance I, 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: Dance Team Preparation I or placement by instructor

This course is designed to prepare students for fall auditions for the Dance Team. Elements that will be included in the audition process will be addressed. All dancers at any skill level are welcome and will be grouped by ability to meet each performer’s needs to advance through the semester. Dance class uniform is required. There may be a cost associated with taking these courses.

Note: Students will receive an additional credit in physical education when taking Dance Performance/Ensemble I - Team Preparation I only.

Dance Performance/Ensemble II-IV - Dance Team
Credit: 1  
Grade: 10 - 12  
PEIMS #03830200 Course #6396
PEIMS #03830300 Course #6397
PEIMS #03830400 Course #6398

Prerequisite: 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. There may be a cost associated with taking these courses.

Note: Students will receive an additional physical education substitution credit for the fall semester of JV Dance Team not to exceed one full credit.

Dance Performance/Ensemble II-IV - Dance Team
Credit: 1  
Grade: 10 - 12  
PEIMS #03830200 Course #6372
PEIMS #03830300 Course #6373
PEIMS #03830400 Course #6374

Prerequisite: 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. There may be a cost associated with taking these courses.

Note: Students will receive an additional physical education substitution credit for the fall semester of Dance Team not to exceed one full credit.

Dance Composition Improvisation I-II
Credit: 1  
Grade: 10 - 12  
PEIMS #03832500 Course #6504
PEIMS #03832600 Course #6506

Prerequisites: 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. There may be a cost associated with taking dance courses.

LHS & VHS
IB Dance SL & HL  

Credit: 1  
Grade: 11 - 12  
PEIMS #I3830100  
Course #6388
PEIMS #I3830200  
Course #6389

Recommended Prerequisite: 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 for the Standard Level (SL) or Higher Level (HL) examination in IB Dance to be taken at the end of the course of study. There may be a cost associated with taking these courses.

Musical Theatre

Musical Theatre I-IV  
Credit: 1  
Grade: 9 - 12  
PEIMS #03251900  
Course #6410
PEIMS #03252000  
Course #6411
PEIMS #03252100  
Course #6412
PEIMS #03252200  
Course #6413

Prerequisites: 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. There may be a cost associated with taking this course.

Technical Theatre

Technical Theatre I-IV  
Credit: 1  
Grade: 9 - 12  
PEIMS #03250500  
Course #6421
PEIMS #03250600  
Course #6422
PEIMS #03251100  
Course #6423
PEIMS #03251200  
Course #6424

Prerequisite: 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. There may be a cost associated with taking a Technical Theatre course, and students are encouraged to attend play rehearsals and serve on production crews.

Technical Theatre I-IV M  
Course #6020-6424

Theatre Arts

Theatre I-IV  
Credit: 1  
Grade: 9 - 12  
PEIMS #03250100  
Course #6401
PEIMS #03250200  
Course #6402
PEIMS #03250300  
Course #6403
PEIMS #03250400  
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. There may be a cost associated with taking Theatre I-IV.

Theatre I M  
Course #6034

Theatre Productions I-IV  
Credit: 1  
Grade: 9 - 12  
PEIMS #03250700  
Course #6411
PEIMS #03250800  
Course #6412
PEIMS #03250900  
Course #6413
PEIMS #03251000  
Course #6414

Prerequisites: 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. There may be a cost associated with taking these courses.

LHS

IB Theatre Arts I-II  

Credit: 1  
Grade: 11 - 12  
PEIMS #I3750200  
Course #6431
PEIMS #I3750300  
Course #6432

Prerequisites: 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. There may be a cost associated with taking these courses.

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. Athletics or Private/Commercially sponsored activities may be substituted up to four credits. 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.
Health
Credit: ½
PEIMS #03810100
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.

Health M
Course #7020
Health Applied
Course #7029

Foundations of Personal Fitness
Credit: 1
PEIMS #PES00052
Course #7116

The major purpose of Foundations of Personal Fitness is to motivate students to strive for lifetime fitness with an emphasis on the health-related components of physical fitness.

Aerobic Activity
Credit: 1
PEIMS #PES00054
Course #7118

Students in aerobic activities are exposed to a variety of activities that promote health-related fitness. A major expectation of this course is for the student to design a personal fitness program that uses aerobic activities as a foundation.

Team or Individual Sport
Credit: 1
PEIMS #PES00055
Course #7119

In Team or Individual Sports, students are expected to participate in a wide variety of sports that promote health-related fitness, develop an appreciation for teamwork and fair play, and gain competency in two or more sports.

Adapted Physical Education I-IV
Credit: 1
PEIMS #PES00052
Course #7008
PEIMS #PES00053
Course #7009
PEIMS #PES00054
Course #7010
PEIMS #PES00055
Course #7011

Prerequisite: Committee Determination

Adapted Physical Education is based on the Texas Essential Knowledge and Skills (TEKS), and is a specially designed program of motor activities. The motor activities focus on the development of fundamental motor skills, which lead to the acquisition of physical fitness, enabling each child to participate to the maximum extent possible in body management, group games and sports.

Cheerleading
Credit: 1
Course # (See Counselor)

Prerequisite: 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.

Note: Students receive one physical education substitution credit for the first year of cheerleading. Remaining credits in cheerleading will either be local or state PE credits depending upon the teacher certification and will be used to determine grade point average (GPA). Local credits will not be counted toward the state recommended graduation plan of 26 credits.

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 a Physical Education 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.

Note: 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.

Boys Athletics
Girls Athletics
Coed Athletics
Baseball
Basketball
Soccer
Cross Country
Basketball
Soccer
Softball
Golf
Football
Softball
Volleyball
Swim & Dive
Track
Basketball
Softball
Tennis
Field
Soccer
Volleyball
Wrestling

Sports Medicine I-IV
Credit: 1
PEIMS #PES00000
Course #7201
PEIMS #PES00001
Course #7203
PEIMS #N1150040
Course #7205
PEIMS #N1290030
Course #8527
PEIMS #N1290033
Course #8529
PEIMS #N1290002
Course #8530
PEIMS #N1290001
Course #8528
PEIMS #N1290003
Course #8530

Prerequisite: 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.

Note: Students receive one physical education substitution credit for each year of successful completion of Sports Medicine I & II.

College & Career Development

Advancement Via Individual Determination (AVID) I-IV
Credit: 1
PEIMS #N1290001
Course #8527
PEIMS #N1290002
Course #8528
PEIMS #N1290030
Course #8529
PEIMS #N1290033
Course #8530

Prerequisites: Application process, oral and written interview process

Advancement Via Individual Determination (AVID) is an in-school academic support program that prepares students for university eligibility and success. The AVID elective class is intended to be an elective choice for all four years of a student’s high school career. AVID places identified students in a rigorous curriculum and gives them the support to succeed therein. The AVID curriculum focuses on writing, inquiry, collaboration, organization and reading (WICOR) and includes specific strategies for note taking, test preparation, and research. The three main components of the program are academic
Methodology for Academic and Personal Success I (MAPS)
Credit: ½                  Grade: 9
PEIMS #N1130021           Course #8513

MAPS is a first semester course for all LISD freshman students that 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. This course is paired with Professional Communications.

Note: MAPS is a first semester requirement for all 9th grade students. MAPS is paired with Professional Communications.

AP Seminar ☆
Credit: 1                  Grade: 10 - 12
PEIMS #N1130026           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. In addition to an end-of-course assessment, performance tasks and presentations completed throughout the year will determine the student’s potential to earn a qualifying score of 3 or higher. Typically AP scores of 3 or higher determine eligibility for college credit.

Note: 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.

AP Research ☆
Credit: 1                  Grade: 11-12
PEIMS #N1100014           Course #1564

Prerequisite: 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. Both an academic paper and a presentation and oral defense determine a student’s potential to earn a qualifying score of 3 or higher. Typically AP scores of 3 or higher determine eligibility for college credit.

Note: AP Research is part of the College Board AP Capstone Program.

LHS & VHS
IB Theory of Knowledge ☆
Credit: 1                  Grade: 11-12
PEIMS #3000100           Course #1562

IB 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.

VHS
IB Design Technology SL ☆
Credit: 1                  Grade: 11-12
PEIMS #3030001           Course #8586

IB Design Technology focuses on design, development, synthesis and evaluation. The creative tension between theory and practice in the scope of joining engineering and art provides inquiry and problem-solving opportunities. This exploration is at the heart of this course and requires the development of feasible solutions, and the testing and evaluation of the solution. In IB Diploma Programme Design Technology, a solution can be defined as a model, prototype, product or system that students have developed independently. DP Design Technology achieves a high level of design literacy by enabling students to develop critical-thinking and design skills, which they can apply in a practical context. While designing may take various forms, it will involve the selective application of knowledge within an ethical framework.

QUEST-G/T
Credit: 1                  Grade: 9-12
PEIMS #85000QST           Course #8536

Prerequisite: Identified QUEST students

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

Note: 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                  Grade: 11-12
PEIMS#N1290050           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                  Grade: 11
PEIMS #85000COL           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-
Leadership & Development

Teen Leadership
Credit: 2 - 1
PEIMS #N1290012 Course #8522 Semester/8525
Leadership provides students with an opportunity to study, practice and develop group leadership and organizational skills. These skills include, but are not limited to: decision making skills, problem solving techniques, communication skills, leadership roles, human relations skills, and understanding the need for social intelligence and civic responsibility.

Teen Leadership M
Course #8002

Teens Leadership Applied
Course #9007

Leadership M
Credit: 1
PEIMS #N1290010 Course #8001
Prerequisite: Committee Determination
Leadership 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.

Leadership Applied
Credit: 1
PEIMS #N1290010 Course #9006
Prerequisite: Committee Determination
Leadership Applied is based on the TEKS with a focus on prerequisite skills taught through hands on instructional strategies based on real life applications.

Peer Assistance and Leadership I-II (PALS)
Credit: 1
PEIMS #N1290005 Course #8531
PEIMS #N1290006 Course #8532
Prerequisites: Student Information Request
Peer Assistance and Leadership 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.

Leaders in Technology, Innovation and Integration I-III
Credit: 1
PEIMS #8500001TI Course #8585-8587
Prerequisite: 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 LISD acceptable use guidelines; designing, developing, and managing knowledge base and training resources, such as tutorial webcasts, website content, and social media communications.

Note: 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
Grade: 9-12
PEIMS #85000SL9 Course #8014
PEIMS #85000SL10 Course #8015
PEIMS #85000SL11 Course #8016
PEIMS #85000SL12 Course #8017
Prerequisite: Committee Determination
Study Lab I-IV courses are designed to assist students with strategies to aid the students’ successes in the classroom. Students 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 accentuated 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 systemic 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.

Note: This course is for local credit only.

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. LISD has transportation routes scheduled for JROTC leaving CPHS & GHS (to LHS) and RHS (to VRHS) at 8:00 a.m. and returning during the lunch hour. Transportation for VHS students is provided via the IB bus for AFJROTC at LHS.

Note: Regular bus routes do not arrive at each campus until after 8 a.m. Parents must ensure that student arrives at home campus prior to 8 a.m.

LHS
Air Force Junior ROTC I
Credit: 1
Grade: 9-12
PEIMS #PES00004 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.
Note: Students receive one physical education substitution credit for the first year of JROTC.

LHS
Air Force Junior ROTC II
Credit: 1
PEIMS #03160200
Course #8542
Prerequisite: 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
Course #8543
Prerequisite: 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 choose 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
Course #8544
Prerequisite: 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
Course #8537
Prerequisite: Naval Science I
Naval Science I introduces students 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.

Note: Students receive one physical education substitution credit for the first year of JROTC.

VRHS
Navy Junior ROTC II
Credit: 1
PEIMS #03160200
Course #8538
Prerequisite: 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
Course #8539
Prerequisite: 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
Course #8540
Prerequisite: 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.

Technology Applications

Computer Science Program
Fundamentals of Computer Science
Credit: 1
PEIMS #03580140
Course #8458
Prerequisite: Algebra I

Fundamentals of Computer Science provides students with opportunities to create web pages, games, and robots. Students will identify task requirements, use computer science concepts to access, analyze and evaluate information needed to solve problems. Students will gain an understanding of the principles of robotics through the study of physics, automation and engineering design concepts.

AP Computer Science Principles ☆
Credit: 1 Grade: 9 - 12
PEIMS #03580300 Course #8461

Prerequisite: Algebra I

AP Computer Science Principles introduces students to the digital age. This rigorous course promotes computational thinking while exploring the global impact of the internet and technology. Topics covered include creativity, abstraction, data and information, algorithms, and programming. Students are required to submit an exploratory and creative project to the college board as part of their end of course evaluation.

Computer Science 3 ☆
Credit: 1 Grade: 11 - 12
PEIMS #03580350 Course #8469

Prerequisite: 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.).

Technology Applications Independent Study I-III
Credit: 1 Grade: 12
PEIMS #03580900 Course #8497
PEIMS #03581000 Course #8498
PEIMS #03581100 Course #8499

Prerequisites: Successful completion of two computer science courses, Student Information Request

Students develop a project on a topic related to their career interests in computer science. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge, skills, and technologies in a variety of settings. This course does not count towards the computer science endorsement.

Notes:

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Career Development

Project-Based Research I-III
Credit: 1 Grade: 11 - 12
PEIMS #12701500
PEIMS #12701510
PEIMS #12701520
Prerequisites: Two CTE courses, Instructor Approval
Project-based research is for Career and Technical Education students who have the ability to research a real-world problem. Students develop a project on a topic related to their career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge, skills, and technologies in a variety of settings. There may be costs associated with taking this course.

Career Preparation I-II M
Course #8346
Course #8347
PEIMS #12701530
PEIMS #12701540
Prerequisite: Student Information Request
Career Preparation provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. This instructional arrangement should be an advanced component of a student’s individual program of study. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

General Employability Skills M
Credit: 1 Grade: 9 - 12
PEIMS #12701553
Prerequisite: Committee Determination
General Employability Skills 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.

Agricultural Food & Natural Resources

Principles of Agriculture, Food & Natural Resources
Credit: 1 Grade: 9
PEIMS #13033200
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 only offered to freshman and is strongly encouraged for students planning an Agriculture Science Program of Study or a career in Agriculture.

Project-Based Research I-III
Course #9000 - 9001
Career Preparation I
Credit: 3 Grade: 12
PEIMS #12701305
Prerequisite: Student Information Request
Career Planning provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. This instructional arrangement should be an advanced component of a student's individual program of study. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

Floral Design
Credit: 1 Grade: 10 - 12
PEIMS #13011800
Course #8064
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. There is a cost associated with taking this course.

Advanced Floral Design
Credit: 1 Grade: 11 - 12
PEIMS #1300270
Course #8053
Prerequisite: Floral Design
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 first hand. There is a cost associated with taking this course.

CPHS & LHS
Horticulture Science
Credit: 1 Grade: 10 - 12
PEIMS #13002000
Course #8065
Horticultural Science is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. Plant growth, propagation and identification processes will be studied to prepare for success in the Horticulture Industry. Hands-on experiences will occur in a greenhouse, garden area, and other settings.

Greenhouse Operations and Productions
Credit: 1 Grade: 11 - 12
PEIMS #13002050
Course #8059
Prerequisite: Horticulture Science
Greenhouse Operation and Production is designed to develop an understanding of greenhouse production techniques and practices. Students will have hands-on opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of Horticultural settings.

Wildlife and Natural Resource Management

**Wildlife, Fisheries & Ecology Management**

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<tr>
<th>Course Code</th>
<th>Credit</th>
<th>Grade</th>
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<tr>
<td>PEIMS #13001500</td>
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<td>10 - 12</td>
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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. This course also helps prepare students for the Energy and Natural Resource course.

**Veterinary Medical Applications**

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<tr>
<th>Course Code</th>
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<tr>
<td>PEIMS #13000600</td>
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<td>11 - 12</td>
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Veterinary Medical Applications is designed to introduce students to the basic concepts and skills related to the veterinary science industry, such as safety and sanitation, terminology, hospital management, and proper handling and restraining techniques. Live animals will be used in this class for skill development.

**Agriculture Mechanics**

**Agricultural Mechanics & Metal Technologies**

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<tr>
<th>Course Code</th>
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<tr>
<td>PEIMS #13002200</td>
<td>1</td>
<td>10 - 12</td>
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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 welding and metal fabrication. There may be costs associated with taking this course.

**Agricultural Equipment Design & Fabrication**

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<th>Course Code</th>
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<tr>
<td>PEIMS #13002360</td>
<td>1-2</td>
<td>11 - 12</td>
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Agricultural Equipment Design & Fabrication/Lab is a lab course designed to prepare students for careers in mechanized agriculture and technical systems. Student will have the opportunity to develop skills related to agricultural facilities design, planning, and fabrication in a variety of settings. There may be costs associated with taking this course.

**Animal Science**

**Small Animal Management**

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<th>Course Code</th>
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<td>PEIMS #13000400</td>
<td>½</td>
<td>10 - 12</td>
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Small Animal Management is a semester course that is 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.

**Equine Science**

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<th>Course Code</th>
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<td>PEIMS #13000500</td>
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<td>10 - 12</td>
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Equine Science is semester course designed for students to learn knowledge and skills pertaining to the selection, nutrition, reproduction, health, and management of horses, donkeys and mules.

**Livestock Production**

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<th>Course Code</th>
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<td>PEIMS #13000300</td>
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<td>10 - 12</td>
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Livestock Production is designed for students to learn knowledge and skills pertaining to the selection, nutrition, reproduction, health and management of livestock animals.

**Advanced Animal Science**

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<td>PEIMS #13000700</td>
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<td>11 - 12</td>
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Advanced Animal Science is a course in which students will acquire knowledge and skills related to animal systems. Topics will include animal reproduction, selection and grading, anatomy and physiology, growth and development, and animal industry standards. Instruction is designed to allow for the application of scientific and technological aspects of animal science through hands-on field and laboratory experiences.

Note: This course can substitute for a science graduation requirement.

**Energy and Natural Resource Technology**

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<th>Course Code</th>
<th>Credit</th>
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<tr>
<td>PEIMS #13001100</td>
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<td>11 - 12</td>
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Energy and Natural Resource Technology examines the interrelatedness of environmental issues and production agriculture. Students will evaluate the environmental benefits provided by sustainable resources and green technologies including the use of solar and wind power. Instruction is designed to allow for the application of science and technology to measure environmental impacts resulting from production agriculture through field and laboratory experiences.
Agricultural Structures Design & Fabrication/Lab
Credit: 1-2  Grade: 12
PEIMS #13002300  Course #8056
PEIMS #13002310  Course #8077
Prerequisite: Agricultural Equipment Design & Fabrication
Agricultural Structures Design & Fabrication is a third year agricultural mechanics course that immerses the student in the welding industry. Students plan, budget, acquire materials and build metal projects. Students also have the opportunity to participate in agriculture mechanics project shows. There may be costs associated with taking this course.
Business/industry certification available

Architecture & Construction

Architecture Design

CPHS, LHS & RHS
Architectural Design I
Credit: 1  Grade: 10 - 12
PEIMS #13004600  Course #8307
Architectural Design I introduces students to architecture, construction science, and architectural drafting. Students will use AutoCAD software to produce a full set of residential architectural plans.

Architectural Design II
Credit: 2  Grade: 11 - 12
PEIMS #13004700  Course #8308
Prerequisite: Architectural Design I
Architectural Design II is a continuation of Architectural Design I providing an opportunity for students to advance their skills in architectural drafting utilizing AutoCAD, Architectural Desktop, and Revit software. Students will use software to create plans and rendering.
Business/industry certification available

Electrical Technology

LHS
Electrical Technology I
Credit: 1  Grade: 10 - 12
PEIMS #13005600  Course #8350

Electrical Technology II
Credit: 2
PEIMS #13005700  Course #8351
Prerequisite: Electrical Technology I
Practicum in Electrical Construction Management
Credit: 2  Grade: 12
PEIMS #13005250  Course #8352
Prerequisite: Electrical Technology II
Electrical Technology is a three-year sequence of classroom and laboratory instruction designed to provide job-specific training for entry-level employment in residential and commercial/industrial electrical careers. Instruction includes installation and servicing and safety skills and knowledge. Second and third year instruction is designed to enhance job specific training for entry-level employment through theoretical teaching and real life application. There may be costs associated with taking this course. The curriculum is a modular, competency-based program that enables students to earn an industry recognized certification.
Business/industry certification available

Construction Technology

CPHS & LHS
Principles of Construction
Credit: 1  Grade: 10 - 12
PEIMS #13004220  Course #8358
Construction Technology I
Credit: 2
PEIMS #13005100  Course #8359
Prerequisite: Principles of Construction
Construction Technology II
Credit: 2  Grade: 12
PEIMS #13005250  Course #8355
Prerequisite: Construction Technology I
Construction Technology is a three-year sequence of classroom and laboratory instruction designed to provide job-specific training for entry-level employment skills in construction-related careers. Instruction is provided in carpentry, painting, dry wall, roofing, and basic plumbing. Second and third year instruction is designed to enhance entry-level training and employment through theoretical teaching and real life application. There may be costs associated with taking this course. The curriculum is a modular, competency-based program that enables students to earn an industry recognized certification.
Business/industry certification available

Practicum in Construction Technology
Credit: 2  Grade: 11 - 12
PEIMS #13005250  Course #8360
Prerequisite: Construction Technology 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. There may be costs associated with taking this course.
Business/industry certification available

Note: Due to changes in TEKS and coherent sequences, this course will only be offered during the 2018-2019 school year)
**Interior Design**

**Interior Design I**

Credit: 1  
PEIMS #13004300  
Course #8161  
**Grade: 10 - 12**

Interior Design I will focus on the design of residential and nonresidential interior environments. Content addresses housing wants vs. needs, housing costs and budgeting, home safety, furniture materials, construction and consumer skills, history of furniture, elements and principles of design, lighting, house zones and traffic patterns, history of housing, architecture and major architects, site planning, kitchen and bath design.

**Prerequisite: Interior Design I**

**Interior Design II**

Credit: 2  
PEIMS #13004400  
**Grade: 11 - 12**  
Course #8162

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.

**Practicum in Interior Design**

Credit: 2  
PEIMS #13004500  
**Grade: 12**  
Course #8163

Practicum in Interior Design continues to prepare students for careers in all aspects of the interior design industry. 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. There may be costs associated with taking this course.

**Business/industry certification available**

**Audio Video Production**

**Digital Media**

Course #8467  
PEIMS #13008200  
**Grade: 10 - 12**

Digital Media students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment.

**Audio Video Production I/Lab**

Credit: 1-2  
PEIMS #13008500  
PEIMS #13008510  
**Grade: 11 - 12**  
Course #8467  
Course #8472

Prerequisite: Digital Media, Student Information Request

Audio/Video Production I contains two focuses; Film Production and Broadcasting. Major duties for broadcast include anchor work for regular weekly broadcasts, in-depth research for news features, conducting interviews, news writing, as well as capturing and editing video and audio footage. Objectives include management and
production of the broadcast using editorial judgement and journalistic integrity, as well as working within the time constraints and meeting consistent deadlines. The film focus is geared towards producing 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 the hardware 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. Concepts in use across the industry such as Studio & Set lighting, camera functions, Elements of Art and Design, shot composition, basic scripting and green screen techniques are introduced and utilized.

Business/industry certification available

Audio Video Production II/Lab
Credit: 1-2                     Grade: 12
PEIMS #13008600                      Course #8473
PEIMS #13008610                      Course #8474
Prerequisites: Audio Video Production I, Student Information Request
Audio/Video Production II is based on the refinement and specialization of production skills. The students create and manage a full-service production studio environment, creating custom productions for various clients in and around the campus. Industry concepts including fund-raising, production budgeting, on-set safety regulations, and acquiring appropriate permits are incorporated into the daily operation of the class. The student focus is on creating professional level video projects for state and industry competitions and clients.

Business/industry certification available

Fashion Design

Fashion Design I
Credit: 1                     Grade: 10 - 12
PEIMS #13009300                      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                     Grade: 11 - 12
PEIMS #13009400                      Course #8175
Prerequisite: 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 I to produce creative construction products using current industry practices and technologies. 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.

Business/industry certification available

Practicum in Fashion Design
Credit: 2                     Grade: 12
PEIMS #13009500                      Course #8176
Prerequisite: Fashion Design II
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. There may be costs associated with taking this course.

Professional Communications

Professional Communications 9th
Credit: ½                     Grade: 9
PEIMS #13009900                      Course #8477
Professional Communications 9th is a second semester course 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 non-verbal communication will be demonstrated. This course is paired with Methodology for Academic and Personal Success (MAPS). Students will continue the work from MAPS to assist in the exploration of career and educational opportunities, develop a four-year high school plan, and explore the LISD Programs of Study. A Student-led Parent Conference is held which allows parents an opportunity to review four-year high school plans.

Note: Professional Communications is a graduation requirement for all 9th grade students. Students entering after the freshman year must replace this requirement with an approved substitution. Approved substitutions are AVID, Debate, Public Speaking, Oral Interpretation, Theory of Knowledge or Communication Applications.

Professional Communications M
Professional Communications Applied
Course #8020
Course #8021

Professional Communications
Credit: ½                     Grade: 10 - 12
PEIMS #13009900                      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.

Business Management & Administration

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: economics, private enterprise systems, the impact of Global Business, marketing of goods and services, advertising, sales process, product pricing, and personal financial management. Within each subject area students will be given the opportunity to reinforce, 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  
PEIMS #13011400  
Course #8104

BIM I focuses on personal computer applications using Microsoft Windows and Office Suite applications. Students will 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. This course also serves as a recommended prerequisite for many other courses in the Business Management, Marketing, and Finance programs of study.

Business/industry certification available
Business Information Management I M  
Course #8008
Business Information Management I Applied  
Course #8009

Business Management
Credit: 1  
PEIMS #13012100  
Course #8107

Recommended Prerequisites: BIM I
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.

Global Business
Credit: ½  
PEIMS #13011800  
Course #8109

Recommended Prerequisites: BIM I
Global Business is a semester course that introduces concepts of the global market and economy and international trade; examines operations in a global market; provides an opportunity to study cultural differences and effects of differences on managerial processes and international law; the impact of international trade on the domestic and global economy; and examines planning, organizational structure, finance, marketing, and foreign governmental practices.

Human Resource Management
Credit: ½  
PEIMS #13011900  
Course #8121

Recommended Prerequisites: BIM I
Human Resources Management is a semester course designed to familiarize students with the concepts related to human resource management, including legal requirements, recruitment and employee selection methods, and employee development and evaluation. Students will also become familiar with compensation and benefits programs as well as workplace safety, employee-management relations, and global impacts on human resources.

Business Law
Credit: 1  
PEIMS #13011700  
Course #8120

Recommended Prerequisites: 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.

Business Practicum
Practicum in Business Management
Credit: 2  
PEIMS #13012200  
Course #8122

Practicum provides a unique opportunity 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. There may be costs associated with taking this course.

Education & Training
Principles of Education and Training (Ready, Set, Teach 1)
Credit: 1  
PEIMS #13014200  
Course #8177

Prerequisites: Student Interest Request
Ready, Set, Teach 1 covers a variety of topics including learning processes, education theory, classroom management, child development and lesson planning. Students will research careers and topics in education including teacher training, interview processes and ethics in the workplace. Students will experience field-based observations during this course with a highly-qualified cooperating teacher in local elementary schools. A portfolio that will serve as a resource for teaching will be completed throughout the year. There may be costs associated with taking this course.

Human Growth and Development
Credit: 1  
PEIMS #13014300  
Course #8178

Human Growth and Development is an examination of human development across the life span focusing on common physical, cognitive, emotional, and social developmental milestones from conception through death. The course is generally taught as an introductory course in developmental psychology, human development, or education and training.

Human Growth and Development M  
Course #8028
Human Growth and Development Applied  
Course #9016

Instructional Practice (Ready, Set, Teach 2)
Credit: 2  
PEIMS #13014400  
Course #8181

Prerequisites: Principles of Education and Training, Student Information Request
Ready, Set, Teach 2 covers a variety of topics including learning processes, education theory, classroom management, child development and lesson planning. Students will research topics in education including teacher training, interview processes and ethics in the workplace. Students will experience a field-based internship during this course with a highly-qualified cooperating teacher in local elementary schools. A portfolio that will serve as a resource for teaching will be completed throughout the year. An interview application process may be required for this class. There may be costs associated with taking this course.

Business/industry certification available

Practicum in Education and Training (Ready, Set, Teach 3)
Credit: 2  
PEIMS #13014500  
Course #8180

Prerequisites: Instructional Practice, Student Information Request
Ready, Set, Teach 3 is a field-based internship that provides students background knowledge of principles of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary-
middle school- and high school-aged students. 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. There may be costs associated with taking this course.

Finance

Money Matters
Credit: 1
Grade: 11 - 12
PEIMS #13016200
Course #8111
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 investing, debt management, tax planning, asset allocating, risk management, retirement planning, and estate planning.

Accounting I
Credit: 1
Grade: 11 - 12
PEIMS #13016600
Course #8102
Recommended Prerequisites: BIM I
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 partnership. 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 conduct 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: 12
PEIMS #13016700
Course #8103
Prerequisites: 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.

Business/industry certification available

Note: This course can substitute for a math graduation requirement.

Security and Investments
Credit: 1
Grade: 12
PEIMS #13016400
Course #8106
Prerequisites: Money Matters or Accounting I
Students will explore securities and investment products and their relationship to the economy. Securities include stocks, bonds, mutual funds and other financial assets. Students will also understand the laws and regulations to be successful in managing business operations and transactions in the securities industry.

Health Science

Health Science Technology

CPHS, LHS & RHS
Principles of Health Science
Credit: 1
Grade: 10 - 12
PEIMS #13020200
Course #8200
Prerequisites: Principles of Health Science
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 related careers.

CPHS, LHS & RHS
Health Science Theory
Credit: 1
Grade: 11 - 12
PEIMS #13020400
Course #8203
Prerequisites: Principles of Health Science
Health Science Theory course will provide the opportunity to develop advanced knowledge and skills related to a wide variety of health careers learned in Principles of Health Science. Students will learn through lab based settings and hands-on experiences. Skills will include taking vital signs, infection control techniques, and demonstrating proper body mechanics. There may be costs associated with taking this course.

CPHS, LHS & RHS
Practicum in Health Science
Credit: 2
Grade: 12
PEIMS #13020500
Course #8204
Prerequisites: Health Science Theory, Student Information Request
Practicum in Health Science 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, CPR, vital signs, and nursing skills. This course requires two class periods. There is a cost associated with taking this course.

Business/industry certification available - Performance Acknowledgement

Medical Terminology
Credit: 1
Grade: 10 - 12
PEIMS #13020300
Course #8205
Prerequisites: Biology and IPC or concurrent enrollment in Chemistry
Medical Terminology is a course that uses the human body as a guide to familiarize students with vocabulary concerning abbreviations, symbols, medical procedures and pathological conditions. Students will gain knowledge of medical terminology through the course of study by identifying word parts and the meanings of the words parts.

Medical Science

Anatomy and Physiology ★
Credit: 1
Grade: 11 - 12
PEIMS #13020300
Course #3550
Prerequisites: 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.

Note: This course is an approved science course and can count towards a graduation requirement.

Medical Microbiology
Credit: 1  
PEIMS #13020700  
Course #3562  
Prerequisites: 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.

Note: This course is an approved science course and can count towards a graduation requirement.

Biomedical Sciences

Principles of Biomedical Sciences (PLTW)
Credit: 1  
PEIMS #N1302092  
Course #8321  
Prerequisite: Credit for or concurrent enrollment in Biology
Principles of Biomedical Sciences is an exciting and rigorous course that allows students to investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. The activities and projects introduce students to human physiology, medicine, and research processes. Students will design and conduct experiments, create models and present projects to investigate factors that lead to the death of a fictional person. This course provides an overview of all the courses in the Biomedical Sciences program and provides the scientific foundation for subsequent courses.

Possible college credit available based PLTW EOC exam score.

Human Body Systems (PLTW)
Credit: 1  
PEIMS #N1302093  
Course #8322  
Prerequisite: Principles of Biomedical Sciences
Human Body Systems is a dynamic, lab based course that examines how our bodies function and maintain homeostasis. Students use interactive labs to investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the roles of biomedical professionals to solve medical mysteries.

Possible college credit available based PLTW EOC exam score.

Medical Interventions (PLTW)
Credit: 1  
PEIMS #N1302094  
Course #8323  
Prerequisite: Human Body Systems or Anatomy and Physiology
Medical Interventions allows students to investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. The course is a “How-To” manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices and diagnostics.

Possible college credit available based PLTW EOC exam score.
opportunities are provided to Advanced Culinary Arts students. An interview and student interest process is required for the program. There is a cost associated with taking this course.

Business/industry certification available.

**CPHS & GHS**

**Practicum in Culinary Arts: Restaurant Management**

Credit: 2  
PEIMS #13022700  
Course #8156

Prerequisite: Advanced Culinary Arts

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. There is a cost associated with taking this course.

Business/industry certification available.

Note: Due to changes in TEKS and coherent sequences, this course will only be offered during the 2018-2019 school year.

**Hospitality**

**CPHS and RHS**

**Travel and Tourism Management**

Credit: 1  
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. Employment qualifications and opportunities are also included in this course. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

**CPHS & RHS**

**Hospitality Services: Hotel Management**

Credit: 2  
PEIMS #13022800  
Course #8167

Prerequisites: Travel & Tourism Management or Introduction to Culinary Arts, Student Information Request

Hospitality Services and Practicum in 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 hospitality and tourism industries. This course requires two class periods. There may be costs associated with taking this course.

Business/industry certification available

**Practicum in Hospitality Services**

Credit: 2  
PEIMS #13022900  
Course #8168

Prerequisites: Hospitality Services: Hotel Management, Student Information 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. This course required two class periods. There may be costs associated with taking this course.

Business/industry certification available.

**Human Services**

**Principles of Human Services**

Credit: 1  
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, and interior design. Each student is expected to complete the knowledge and skills essential for success in high-skill, high wage, or high demand careers.

**Principles of Human Services M**

**Principles of Human Services Applied**

Course #8033

Course #9010

**Lifetime Nutrition and Wellness**

Credit: ½  
PEIMS #1302450  
Course #8160

Lifetime Nutrition and Wellness is a semester laboratory course that allows student to use principles of nutrition to make informed decisions that promote lifelong wellness. Instruction will focus on the role that nutrients have on our body, digestion and metabolism, understanding the importance of a balanced diet, safety and sanitation in the lab, healthy food preparation, and careers in nutrition.

**Lifetime Nutrition and Wellness M**

Course #8031

Course #9008

**Interpersonal Studies**

Credit: ½  
PEIMS #13024400  
Course #8151

Interpersonal Studies is a semester course that examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services.

**Interpersonal Studies M**

**Interpersonal Studies Applied**

Course #8030

Course #9011

**Child Development Applied**

Credit: 1  
PEIMS #13024700  
Course #9012

Prerequisite: Committee Determination

Child Development Applied is based on the TEKS with a focus on prerequisite skills taught through hands on instructional strategies based on real life applications.

**Counseling and Mental Health**

Credit: 1  
PEIMS #13024600  
Course #8169

Prerequisites: Principles of Human Services, Principles of Health Science, Lifetime Nutrition/Interpersonal Studies or Human Growth and Development

Counseling and Mental Health examines material in counseling and
mental health as it relates to health and wellness across the life span. Students will study the psychological effects of chemical dependency, maladaptive conditions, and other mental health issues associated with careers in counseling, mental health, and social work.

**Family and Community Services**

**Credit: 1**  
**PEIMS #13024900**  
**Prerequisites:** One course in human services, education, culinary arts, interior design or fashion design

Family and Community Services prepares students for employment in counseling and mental health, family and community, personal care, and consumer services. Students will plan, develop, implement, and evaluate community and service-learning activities that benefit individuals, families, or the community. There may be costs associated with taking this course.

*Business/industry certification available.*

**Family & Community Services Applied**  
**Course #9013**

**Human Services Practicum**

**Credit: 2**  
**PEIMS #13025000**  
**Prerequisite:** Two courses in human services, education, interior design or fashion design

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. There may be costs associated with taking this course.

*Business/industry certification available.*

**Cosmetology**

**LHS**

**Credit: 3**  
**Course #8377**  
**Course #8380**  
**PEIMS #13025210**  
**PEIMS #13025310**  
**Prerequisites:** Student Information Request

Cosmetology is a planned 1000 clock hour, two-year sequence of classroom and laboratory instruction, 1000 laboratory clock hours plus 500 academic hours awarded upon the completion of the 1000 laboratory hours. 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, hair-styling, permanent waving, hair coloring, manicuring, and facial massage. There is a cost associated with taking this course.

*Business/industry certification available.*

Note: Due to mandatory state clock-hour requirements, students scheduled in the cosmetology class are required to be at school for clock-in at 8:00 a.m. each 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 all required activities associated with the program.

**Law, Public Safety, Corrections, and Security**

**GHS**

**Principles of Law, Public Safety, Corrections, and Security**  
**Credit: 1**  
**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.

**GHS**

**Law Enforcement I**  
**Credit: 1**  
**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**  
**PEIMS #13029400**  
**Course #8368**

Prerequisite: 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.

**GHS**

**Criminal Investigations**  
**Credit: 1**  
**PEIMS #13029550**  
**Course #8364**

Prerequisite: 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**  
**PEIMS #13029500**  
**Course #8365**

Prerequisite: Law Enforcement I, Biology and Chemistry

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.

Note: This course can substitute for a science graduation requirement.

Marketing

Advertising
Credit: ½  Grade: 10 - 12
PEIMS #13034200  Course #8251
Advertising is a semester course designed as a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, cultural, ethical, and legal issues of advertising, historical influences, strategies, media decision processes as well as integrated marketing communications, and careers in advertising and sales promotion. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.

Social Media Marketing
Credit: ½  Grade: 10 - 12
PEIMS #13034650  Course #8259
Social Media Marketing is a semester course designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.

Entrepreneurship
Credit: 1  Grade: 11 - 12
PEIMS #13034000  Course #8261
In Entrepreneurship, students will gain the knowledge and skills necessary to become an entrepreneur. Students will learn the principles of how 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.

ACCEleratededu Curriculum will be the primary instructional resource for this course at VRHS & VHS.

Science, Technology, Engineering and Math

Introduction to Engineering Design (PLTW)
Credit: 1  Grade: 9 - 11
PEIMS #N1303742  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.

Possible college credit available based PLTW EOC exam score.

GHS, LHS & VHS
Digital Electronics (PLTW)
Credit: 1  Grade: 10 - 12
PEIMS #13037600  Course #8315
Prerequisite: Introduction to Engineering Design, Algebra I
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.

Possible college credit available based PLTW EOC exam score.

Note: This course can substitute for a math graduation requirement.

CPH, RHS, VHS & VRHS
Aerospace Engineering (PLTW)
Credit: 1  Grade: 10 - 12
PEIMS #N1303745  Course #8319
Prerequisites: 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 also explore robot systems through projects such as remotely operated vehicles.

Possible college credit available based PLTW EOC exam score.

Engineering Science (PLTW)
Credit: 1  Grade: 11 - 12
PEIMS #13037500  Course #8314
Prerequisite: Introduction to Engineering Design or concurrent enrollment; 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.

Possible college credit available based PLTW EOC exam score.

Note: This course can substitute for a science graduation requirement.
RHS
Civil Engineering and Architecture (PLTW)
Credit: 1  Grade: 11 - 12
PEIMS #N1303747  Course #3565
Prerequisite: Introduction to Engineering Design, Algebra I
Civil Engineering and Architecture allows students to learn about civil engineering and architecture and apply their knowledge to the design and development of residential and commercial properties and structures. In addition, students use 3D design software to design and document solutions for major course projects. Students communicate and present solutions to their peers and members of a professional community of engineers and architects.
Possible college credit available based PLTW EOC exam score. Business/industry certification available.

VHS
Engineering Design and Development (PLTW)
Credit: 1  Grade: 12
PEIMS #1303749  Course #8317
Prerequisites: Introduction to Engineering Design and credit or concurrent enrollment in Engineering Science
Engineering Design and Development is an engineering research course in which students work in teams or individually to research, design, and construct a solution to an open-ended engineering problem. Students apply principles developed in the proceeding courses and are guided by a community mentor. They must present progress reports, submit a final written report, and defend their solutions to a panel of outside reviewers at the end of the school year.

CPHS & VRHS
Scientific Research and Design I
Credit: 1  Grade: 11 - 12
PEIMS #13037200  Course #3565
Prerequisite: 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.
EcoRise curriculum will be the primary instructional resource for this course at CPHS.
Note: This course is an approved science course and can count towards a graduation requirement.

RHS
Automotive Technology

Automotive Basics
Credit: 1  Grade: 10 - 11
PEIMS #13039550  Course #8390
Prerequisite: Automotive Basics
Automotive Basics is designed to provide an overview of transportation systems and career opportunities and training requirements. Topics covered include basic lab safety, tool care and use, and utilization of service manuals, publications and on-line technical resources.

Automotive Technology I
Credit: 2  Grade: 11 - 12
PEIMS #13039600  Course #8391
Prerequisite: Automotive Basics
Automotive Technology I is designed to provide job specific training for entry-level employment in the automotive engine repair and service career field. Introduction emphasizes use of repair manuals, shop safety, and recognition of proper use of tools and equipment. Also students will learn service and repair of basic automobile systems: lubrication, cooling, brakes, fuel, engines, and chassis.
Business/industry certification available.

Automotive Technology II
Credit: 2  Grade: 12
PEIMS #13039700  Course #8388
Prerequisite: Automotive Technology I
Automotive Technology II is a continuation of Automotive Technology I, with primary emphasis placed on shop safety, tools, and equipment. Application of the skills and knowledge will be provided through hands-on experiences in the classroom. Safe use of hand and power tools and equipment commonly used in the maintenance and repair of engines and vehicles will be expected of participants.
Business/industry certification available.

Practicum in Transportation Systems
Credit: 2  Grade: 12
PEIMS #13040450  Course #8392
Prerequisite: Automotive Technology 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.
Business/industry certification available
Note: Due to changes in TEKS and coherent sequences, this course will only be offered during the 2018-2019 school year.
Leander ISD offers Program of Study opportunity in all five (5) state recognized Endorsement areas. The State recognized endorsement areas are: Science, Technology, Engineering and Mathematics (STEM); Business and Industry; Public Service; Arts and Humanities; and Multi-disciplinary.

An important goal of the Program of Study is for our graduates to be set apart from other students from across the state. The Program of Study is the vehicle through which this is accomplished.

A Program of Study certificate is awarded upon graduation. More than 40 Programs of Study are currently available in the five (5) Endorsement areas. Courses chosen during high school become the foundation for the future; therefore, careful selection of courses will form a Program of Study related to a chosen post-secondary educational goal.

Science, Technology, Engineering and Math Endorsement

<table>
<thead>
<tr>
<th>Science, Technology, Engineering and Math Endorsement</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A student may earn a STEM endorsement by completing foundation and general endorsement requirements including Algebra II, Chemistry and Physics. In addition, students must complete one of the Program of Study requirements listed below.</td>
<td></td>
</tr>
</tbody>
</table>

**STEM Studies**

Program of Study

| 6 Credits Required |

**Required Courses:**

- Algebra II
- Chemistry
- Physics

Choose at least 3 additional credits from no more than two of the areas listed below:

**Advanced Math**

- Advanced Quantitative Reasoning
- Algebraic Reasoning
- Pre-calculus
- AP Calculus AB
- AP Calculus BC
- IB Mathematical Studies
- IB Mathematics SL
- IB Mathematics HL
- AP Statistics
- Statistics
- AP Computer Science
- Math Independent Study

**Advanced Science**

- Biology AP or Biology I & II IB
- Chemistry AP or Chemistry I & II IB
- Physics AP or Physics IB I & II
- Anatomy and Physiology
- Medical Microbiology
- Earth and Space Science
- Earth, Wind, and Fire
- AP Environmental Science
- Environmental Systems
- IPC
- Scientific Research and Design
- Advanced Animal Science
- Engineering Science

**Computer Science**

- Fundamental of Computer Science
- Computer Science Principles AP
- Computer Science I Pre-AP
- Computer Science A AP
- Computer Science SL IB
- Computer Science III
- Digital Forensics
- Mobile Application Development

**CTE STEM**

- Introduction to Engineering Design
- Engineering Science
- Gateway to Technology (Middle School)
- Aerospace Engineering (CPHS, RHS, VHS, VRHS)
- Civil Engineering and Architecture (RHS)
- Digital Electronics (GHS, LHS, VHS)
- Engineering Design and Development (VHS)
Science, Technology, Engineering and Math Endorsement

A student may earn a STEM endorsement by completing foundation and general endorsement requirements including Algebra II, Chemistry and Physics. In addition, students must complete one of the Program of Study requirements listed below.

<table>
<thead>
<tr>
<th>Advanced Math Program of Study</th>
<th>Advanced Science Program of Study</th>
<th>Computer Sciences Program of Study</th>
<th>PLTW - Engineering Program of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 Credits Required</td>
<td>6 Credits Required</td>
<td>7 Credits Required</td>
<td>7 Credits Required</td>
</tr>
</tbody>
</table>

**Required Courses:**
- Algebra I
- Geometry
- Algebra II
- Chemistry
- Physics

Choose 2 additional credit from the following:
- Advanced Quantitative Reasoning
- Algebraic Reasoning
- Pre-calculus
- AP Calculus AB
- AP Calculus BC
- IB Mathematical Studies
- IB Mathematics SL
- IB Mathematics HL
- AP Statistics
- Statistics
- AP Computer Science
- Math Independent Study

**Required Courses (check prerequisites):**
- Biology
- Chemistry
- Physics
- Algebra II

Choose 4 additional credit from the following:
- Biology AP or Biology I & II IB
- Chemistry AP or Chemistry I & II IB
- Physics AP or Physics I & II IB
- Anatomy and Physiology
- Medical Microbiology
- Earth and Space Science
- Earth, Wind, and Fire
- AP Environmental Science
- Environmental Systems
- IPC
- Scientific Research and Design
- Advanced Animal Science
- Engineering Science

Choose at least 1 additional credit from the following:
- Fundamental of Computer Science
- Computer Science Principles AP
- Computer Science I Pre-AP
- Computer Science A AP
- Computer Science SL IB
- Computer Science III
- Digital Forensics
- Mobile Application Development

**Required Courses:**
- Algebra II
- Chemistry
- Physics
- Introduction to Engineering Design
- Engineering Science

Choose additional credit, if needed, from the following:
- Professional Communications
- Electrical Technology (LHS)
- Architectural Design I (LHS, CPHS & RHS)
- Principles of Construction (CPHS, LHS)
- Agriculture Mechanics and Metal Technologies
- Scientific Research and Design
- Career Preparation
- Project-based Research

Business and Industry Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Autodesk - Revit Architecture Certified User and Inventor Certified User</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes:
## Business and Industry Endorsement

A student may earn a Business and Industry endorsement by completing foundation and general endorsement requirements. Students must complete one of the Program of Study requirements listed below.

<table>
<thead>
<tr>
<th>Program of Study</th>
<th>Program of Study</th>
<th>Program of Study</th>
<th>Program of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architectural Design</td>
<td>Interior Design</td>
<td>Fashion Design</td>
<td>Floral Design</td>
</tr>
<tr>
<td>Program of Study</td>
<td>Program of Study</td>
<td>Program of Study</td>
<td>Program of Study</td>
</tr>
<tr>
<td>(CPHS, LHS and RHS)</td>
<td>(CPHS, LHS)</td>
<td>(CPHS, LHS)</td>
<td>(CPHS, LHS)</td>
</tr>
</tbody>
</table>

4 Credits Required

### Required Courses:
- Architectural Design I
- Architectural Design II
- Choose additional credits, if needed, from the following:
  - Professional Communications
  - Practicum in Architectural Design
  - Interior Design I
  - Principles of Construction (CPHS, LHS)
  - Construction Technology (CPHS, LHS)
  - Electrical Technology I (LHS)
  - Agricultural Mechanics and Metal Technologies
  - Career Preparation
  - Project-based Research

### Required Courses:
- Interior Design I
- Interior Design II
- Choose additional credit from the following:
  - Professional Communications
  - Practicum in Interior Design or Human Services
  - Architectural Design I
  - Principles of Human Services or Principles of Business, Marketing and Finance
  - Interior Design I
  - Fashion Design
  - Fashion Design I
  - Career Preparation
  - Project-based Research

### Required Courses:
- Fashion Design I
- Fashion Design II
- Choose additional credit from the following:
  - Professional Communications
  - Principles of Human Services or Principles of Business, Marketing and Finance
  - Practicum in Fashion Design or Human Services
  - Interior Design I
  - Floral Design
  - Career Preparation
  - Project-based Research

### Required Courses:
- Floral Design
- Advanced Floral Design
- Choose additional credits from the following:
  - Professional Communications
  - Principles of Agriculture, Food and Natural Resources
  - Practicum in Agriculture, Food and Natural Resources
  - Interior Design I
  - Architecture Design I (CPHS, LHS & RHS)
  - Horticulture Science (CPHS, LHS)
  - Career Preparation
  - Project-based Research

### Business and Industry Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.

<table>
<thead>
<tr>
<th>Certification</th>
<th>Certification</th>
<th>Certification</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Autodesk - Revit Architecture Certified User and AutoCad Certified User</td>
<td>Pre-Professional Assessment Certification - Interior Design Fundamentals and Housing &amp; Furnishing Fundamentals</td>
<td>Pre-Professional Assessment Certification - Fashion, Textiles, and Apparel</td>
<td>Floral Design Certification (TX State Florist’ Association)</td>
</tr>
</tbody>
</table>
# Business and Industry Endorsement

A student may earn a Business and Industry endorsement by completing foundation and general endorsement requirements. Students must complete one of the Program of Study requirements listed below.

<table>
<thead>
<tr>
<th>Culinary Arts: Restaurant Management Program of Study (CPHS and GHS)</th>
<th>Hospitality: Hotel Management Program of Study (CPHS and RHS)</th>
<th>Audio/Video Technology Program of Study</th>
<th>Graphic Arts and Animation Program of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Courses:</strong></td>
<td><strong>Required Courses:</strong></td>
<td><strong>Choose 2 or more credits from the following:</strong></td>
<td><strong>Required Courses:</strong> Choose 2 credits from the following:</td>
</tr>
<tr>
<td>• Travel &amp; Tourism Management</td>
<td>• Hospitality Services: Hotel Management</td>
<td>• Professional Communications</td>
<td>• Graphic Design and Illustration I</td>
</tr>
<tr>
<td>• Hospitality Services: Hotel Management</td>
<td>• Business Management</td>
<td>• Principles of Human Services or Principles of Business, Marketing and Finance</td>
<td>• Principles of Arts, A/V and Communication</td>
</tr>
<tr>
<td>• Business Management</td>
<td>• Introduction to Culinary Arts</td>
<td>• Practicum in Hospitality and Tourism</td>
<td>• Graphic Design and Illustration II</td>
</tr>
<tr>
<td>• Travel &amp; Tourism Management (RHS)</td>
<td>• Culinary Arts Prep</td>
<td>• Business Management</td>
<td>• Animation I</td>
</tr>
<tr>
<td>• Retailing and E-tailing/Fashion Marketing</td>
<td>• Retailing and E-tailing/Fashion Marketing</td>
<td>• Introduction to Culinary Arts</td>
<td>• Video Game Design</td>
</tr>
<tr>
<td>• Advertising/Social Media Marketing</td>
<td>• Advertising/Social Media Marketing</td>
<td>• Audio/Video Production I</td>
<td>• Advertising/Social Media Marketing</td>
</tr>
<tr>
<td>• Sports Marketing</td>
<td>• Sports Marketing</td>
<td>• Audio/Video Production II</td>
<td>• Sports Marketing</td>
</tr>
<tr>
<td>• Career Preparation</td>
<td>• Career Preparation</td>
<td>• Career Preparation</td>
<td>• Career Preparation</td>
</tr>
<tr>
<td>• Project-based Research</td>
<td>• Project-based Research</td>
<td>• Project-based Research</td>
<td>• Project-based Research</td>
</tr>
</tbody>
</table>

Choose 2 or more credits from the following:
- Introduction to Culinary Arts
- Culinary Arts
- Advanced Culinary Arts
- Practicum in Culinary Arts

Choose additional credits, if needed, from the following:
- Professional Communications
- Principles of Human Services or Principles of Business, Marketing and Finance
- Practicum in Culinary Arts
- Business Management
- Introduction to Culinary Arts
- Culinary Arts Prep
- Retailing and E-tailing/Fashion Marketing
- Advertising/Social Media Marketing
- Sports Marketing
- Career Preparation
- Project-based Research

Business and Industry Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.

| Food Handler Texas Certification; ServSafe; Pre-Professional Assessment Certification - Culinary | ServSafe; Hospitality and Tourism Management Program | Adobe Certified Associate (ACA) - Premiere Professional | Adobe Certified Associate (ACA) - Photoshop, Illustrator and Flash |

**Notes:**
# Business and Industry

## Business and Industry Endorsement

A student may earn a Business and Industry endorsement by completing foundation and general endorsement requirements. Students must complete one of the Program of Study requirements listed below.

<table>
<thead>
<tr>
<th>Agricultural Mechanics Program of Study</th>
<th>Construction Electricity Program of Study (LHS only)</th>
<th>Construction Technology Program of Study (CPHS and LHS)</th>
<th>Automotive Technology Program of Study (RHS only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Credits Required</td>
<td>4 Credits Required</td>
<td>4 Credits Required</td>
<td>4 Credits Required</td>
</tr>
</tbody>
</table>

**Choose 2 or more credits from the following:**
- Agriculture Mechanics and Metal Technologies
- Agricultural Equipment Design and Fabrication
- Agricultural Facility Design and Fabrication

**Choose additional credits, if needed, from the following:**
- Professional Communications
- Principles of Agriculture, Food & Natural Resources
- Practicum in Agriculture, Food and Natural Resources
- Principles of Construction (CPHS, LHS)
- Construction Technology (CPHS, LHS)
- Electrical Technology I (LHS)
- Architecture Design I (CPHS, LHS & RHS)
- Career Preparation
- Project-based Research

**Required Courses:**
- Electrical Technology I
- Electrical Technology II

**Choose additional credit from the following:**
- Professional Communications
- Practicum in Electrical Construction Management
- Principles of Construction (CPHS, LHS)
- Construction Technology I
- Architecture Design I (CPHS, LHS & RHS)
- Agricultural Mechanics & Metal Technologies
- Career Preparation
- Project-based Research

**Choose 2 or more credits from the following:**
- Principles of Construction
- Construction Technology I
- Construction Technology II

**Choose additional credits, if needed, from the following:**
- Professional Communications
- Practicum in Building Construction Management
- Electrical Technology (LHS)
- Architecture Design I (CPHS, LHS & RHS)
- Agricultural Mechanics & Metal Technologies
- Career Preparation
- Project-based Research

**Choose 2 or more credits from the following:**
- Automotive Basics
- Automotive Technology I
- Automotive Technology II

**Choose additional credits, if needed, from the following:**
- Professional Communications
- Practicum in Transportation, Distribution and Logistics
- Agricultural Mechanics and Metal Technologies
- Career Preparation
- Project-based Research

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**Business and Industry Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.**

<table>
<thead>
<tr>
<th>Occupational Health and Safety Admin (OSHA) General, American Welding Society (AWS) - SENSE</th>
<th>Occupational Health and Safety Admin (OSHA) General; National Center for Construction Education (NCCER) - Core, Electrical I &amp; 2; Electrical Apprentice License - Texas Department of Licensing and Regulation (TDLR)</th>
<th>Occupational Health and Safety Admin (OSHA) General; National Center for Construction Education (NCCER) - Core, Carpentry I &amp; 2</th>
<th>Automotive Service Excellence (ASE) - Student Certification</th>
</tr>
</thead>
</table>

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**Notes:**

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# Business and Industry Endorsement

A student may earn a Business and Industry endorsement by completing foundation and general endorsement requirements. Students must complete one of the Program of Study requirements listed below.

<table>
<thead>
<tr>
<th>Animal Science (Veterinary Medicine) Program of Study</th>
<th>Wildlife and Natural Resource Management Program of Study (VHS and VRHS)</th>
<th>Horticulture Program of Study (CPHS and LHS)</th>
<th>Agriculture General Studies Program of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Credits Required</td>
<td>4 Credits Required</td>
<td>4 Credits Required</td>
<td>4 Credits Required</td>
</tr>
</tbody>
</table>

Choose 2 credits from the following:
- Small Animal Management/Equine Science
- Livestock Production
- Advanced Animal Science
- Veterinary Medical Applications

Choose additional credits, if needed, from the following:
- Professional Communications
- Principles of Agriculture, Food & Natural Resources
- Practicum in Veterinary Medical Applications (LHS and VHS)
- Practicum in Agriculture, Food and Natural Resources
- Wildlife, Fisheries and Ecology Management
- Career Preparation
- Project-based Research

**Required Courses:**
- Wildlife, Fisheries and Ecology Management
- Energy and Natural Resources

Choose additional credits from the following:
- Professional Communications
- Principles of Agriculture, Food and Natural Resources
- Practicum in Agriculture, Food and Natural Resources
- Horticulture Science
- Small Animal Management/Equine Science
- Career Preparation
- Project-based Research

**Required Courses:**
- Horticulture Science
- Greenhouse Operations

Choose additional credits from the following:
- Professional Communications
- Principles of Agriculture, Food & Natural Resources
- Practicum in Agriculture, Food and Natural Resources
- Horticulture Science
- Wildlife, Fisheries and Ecology Management
- Career Preparation
- Project-based Research

Business and Industry Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.

<table>
<thead>
<tr>
<th>Veterinary Assistant, Certified (Texas Veterinary Medical Association)</th>
<th>Hunter Education (TX Park and Wildlife), Boater Education (TX Park and Wildlife)</th>
<th>Required Courses:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Practicum in Agriculture, Food and Natural Resources</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Agriculture Mechanics and Metal Technologies</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Small Animal Management/Equine Science</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wildlife, Fisheries and Ecology Management</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Career Preparation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Project-based Research</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Horticulture Science</td>
</tr>
</tbody>
</table>

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# Business and Industry

## Business and Industry Endorsement

A student may earn a Business and Industry endorsement by completing foundation and general endorsement requirements. Students must complete one of the Program of Study requirements listed below.

<table>
<thead>
<tr>
<th>Marketing Program of Study</th>
<th>Finance Program of Study</th>
<th>Business Management and Administration Program of Study</th>
<th>Business, Finance and Marketing General Studies Program of Study</th>
<th>English Elective Program of Study</th>
</tr>
</thead>
</table>
| Choose 2 credits from the following:  
  - Advertising/Social Media Marketing/ Sports and Entertainment  
  - Entrepreneurship or Fashion Marketing/ Retailing and E-tailing  
  - Practicum in Marketing | Choose 2 credits from the following:  
  - Money Matters  
  - Accounting I  
  - Accounting II  
  - Security and Investments  
  - Choose additional credits from the following:  
    - Professional Communications  
    - Principles of Business, Marketing and Finance  
    - Business Information Management I  
    - Global Business/ Virtual Business  
    - Business Management  
    - Advertising/Social Media Marketing  
    - Sports and Entertainment Marketing  
    - Fashion Marketing/ Retailing and E-tailing  
    - Career Preparation  
    - Project-based Research | Choose 3 credits from the following:  
  - Business Information Management I  
  - Business Law  
  - Global Business/ Virtual Business/ Human Resource Management  
  - Business Management  
  - Practicum in Business Management  
  - Choose additional credits, if needed, from the following:  
    - Professional Communications  
    - Principles of Business, Marketing and Finance  
    - Business Information Management I  
    - Business Management  
    - Money Matters  
    - Advertising/Social Media Marketing | Required Course:  
  - Practicum in Business Management  
  - Business Information Management I  
  - Business Management  
  - Choose additional credits from the following:  
    - Principles of Business, Marketing and Finance  
    - Business Information Management I  
    - Business Management  
  - Choose additional credit from the following:  
    - Journalism  
    - Speech Independent Study  
    - English IV  
    - AP English Literature and Composition  
    - IB Language Studies |
| 4 Credits Required | 4 Credits Required | 4 Credits Required | 4 Credits Required | 4 Credits Required |

**Business and Industry Certifications**  
Pre-Professional Assessment Certification - Personal and Family Finance; QuickBooks Certified User

**Microsoft Office Specialist (MOS) - Word, Excel & PowerPoint**
## Arts and Humanities Endorsement

A student may earn an Arts and Humanities Endorsement by completing foundation and general endorsement requirements. In addition, students must complete one of the Program of Study requirements 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 Program of Study

<table>
<thead>
<tr>
<th>Art</th>
<th>Music (Band and Choir)</th>
<th>Dance</th>
<th>Musical Theatre</th>
<th>Technical Theatre</th>
<th>Theatre</th>
<th>Music Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Art I-IV</td>
<td>• Band: Wind Ensemble I-IV</td>
<td>• Choir: Bass/Tenor I-IV</td>
<td>• Musical Theatre I - IV</td>
<td>• Technical Theatre I-IV</td>
<td>• Theatre I-IV</td>
<td>• Music IB SL</td>
</tr>
<tr>
<td>• Art AP - Drawing Portfolio</td>
<td>• Band: Symphonic Winds I-IV</td>
<td>• Choir: Treble I-IV</td>
<td>• Dance Performance/Team Prep I-IV</td>
<td>• Theatre Production I-IV</td>
<td>• Theatre I-IV</td>
<td>• Music IB HL</td>
</tr>
<tr>
<td>• Art AP - Two Dimensional Design</td>
<td>• Band: Symphonic Band I-IV</td>
<td>• Choir: Mixed I-IV</td>
<td>• Dance Performance/Team JV I-IV</td>
<td>• Theatre Arts IB I-II</td>
<td>• Music Theory AP</td>
<td></td>
</tr>
<tr>
<td>• Art AP - Three Dimensional Design</td>
<td>• Band: Concert Band I-IV</td>
<td>• Choir: Vocal Ensemble I-IV</td>
<td>• Dance Composition I-II</td>
<td>• Music Theory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Art History</td>
<td>• Band: Jazz Ensemble I-IV</td>
<td>• • Musical Theatre I - IV</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Arts and Humanities Endorsement

A student may earn an Arts and Humanities Endorsement by completing foundation and general endorsement requirements. In addition, students must complete one of the Program of Study requirements 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.

#### Social Studies Program of Study

<table>
<thead>
<tr>
<th>Choose 5 credits from the courses below:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• World Geography or Human Geography AP World History or World History AP</td>
</tr>
<tr>
<td>• US History or US History AP</td>
</tr>
<tr>
<td>• History of Americas I &amp; II</td>
</tr>
<tr>
<td>• US Government or US Government AP</td>
</tr>
<tr>
<td>• European History AP</td>
</tr>
<tr>
<td>• Government or Government AP</td>
</tr>
<tr>
<td>• Economics or Macroeconomics AP</td>
</tr>
<tr>
<td>• Microeconomics AP</td>
</tr>
<tr>
<td>• Investigations in Psychology/Psychology AP</td>
</tr>
<tr>
<td>• Psychology, IB I-II</td>
</tr>
<tr>
<td>• Influence of the Old/New Testament</td>
</tr>
<tr>
<td>• Sociology</td>
</tr>
<tr>
<td>• Psychology</td>
</tr>
<tr>
<td>• Personal Financial Literacy</td>
</tr>
<tr>
<td>• Special Topics in Social Studies</td>
</tr>
</tbody>
</table>

#### Languages Other Than English Program of Study

<table>
<thead>
<tr>
<th>Choose 4 credits of the same language:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• ASL I - IV</td>
</tr>
<tr>
<td>• French I-IV</td>
</tr>
<tr>
<td>• Latin I-IV</td>
</tr>
<tr>
<td>• Spanish I-V</td>
</tr>
</tbody>
</table>

#### Languages Other Than English Program of Study

<table>
<thead>
<tr>
<th>Choose 2 credits of the same language and 2 additional credits of the same language:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• ASL I - IV</td>
</tr>
<tr>
<td>• French I-IV</td>
</tr>
<tr>
<td>• Latin I-IV</td>
</tr>
<tr>
<td>• Spanish I-V</td>
</tr>
</tbody>
</table>

### Notes:
### Public Service Endorsement

A student may earn a Public Service Endorsement by completing foundation and general endorsement requirements. In addition, students must complete one of the Program of Study requirements listed below.

<table>
<thead>
<tr>
<th>Health Science Technology Program of Study (CPHS, LHS and RHS)</th>
<th>PLTW - Biomedical Sciences Program of Study</th>
<th>Medical Sciences Program of Study</th>
<th>Criminal Justice Program of Study (GHS only)</th>
<th>JROTC Program of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Credits Required</td>
<td>4 Credits Required</td>
<td>4 Credits Required</td>
<td>4 Credits Required</td>
<td>4 Credits</td>
</tr>
</tbody>
</table>

**Choose 2 credits from the following:**
- Principles of Health Science
- Practicum in Health Science
- Principles of Biomedical Science (PLTW)
- Medical Terminology
- Anatomy and Physiology
- Pharmacology
- Human Growth and Development
- Child Development
- Lifetime Nutrition and Wellness
- Counseling and Mental Health
- Career Preparation
- Project-based Research

**Choose 2 credits from the following:**
- Principles of Biomedical Science (PLTW)
- Human Body Systems (PLTW)
- Medical Interventions (PLTW)
- Professional Communications
- Biomedical Innovation (PLTW)
- Anatomy and Physiology
- Principles of Health Science
- Medical Terminology
- Pharmacology
- Career Preparation
- Project-based Research

**Required Courses:**
- Anatomy and Physiology
- Medical Microbiology

**Choose additional credits from the following:**
- Professional Communications
- Principles of Biomedical Science (PLTW)
- Principles of Health Science
- Medical Terminology
- Pharmacology
- Career Preparation
- Project-based Research

**Choose 2 credits from the following:**
- Law Enforcement I
- Law Enforcement II
- Criminal Investigations
- Forensic Science
- Medical Terminations
- Professional Communications
- Principles of Biomedical Science (PLTW)
- Principles of Health Science
- Medical Terminology
- Pharmacology
- Career Preparation
- Project-based Research

**Choose additional credits, if needed, from the following:**
- Professional Communications
- Principles of Health Science
- Medical Terminology
- Pharmacology
- Career Preparation
- Project-based Research

- AFJROTC I (LHS)
- AFJROTC II (LHS)
- AFJROTC III (LHS)
- AFJROTC IV (LHS)

- NJROTC I (VRHS)
- NJROTC II (VRHS)
- NJROTC III (VRHS)
- NJROTC IV (VRHS)

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**Business and Industry Certifications** are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.

- Cardiopulmonary Resuscitation (CPR)
- First Aid
- Certified Nursing Assistant (CNA)
- Certified Clinical Medical Assistant (CCMA)
- Phlebotomy Technician
- \[ \text{Available certifications are listed below.} \]
# Public Service

## Public Service Endorsement

A student may earn a Public Service Endorsement by completing foundation and general endorsement requirements. In addition, students must complete one of the Program of Study requirements listed below.

<table>
<thead>
<tr>
<th>Cosmetology Program of Study (LHS only)</th>
<th>Human Services General Studies Program of Study</th>
<th>Education Program of Study</th>
<th>Mental Health and Wellness Program of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>6 Credits Required</strong></td>
<td><strong>4 Credits Required</strong></td>
<td><strong>4 Credits Required</strong></td>
<td><strong>4 Credits Required</strong></td>
</tr>
<tr>
<td>Required Courses:</td>
<td>Required Courses:</td>
<td>Choose 2 credits from the following:</td>
<td>Choose 2 credits from the following:</td>
</tr>
<tr>
<td>• Cosmetology I</td>
<td>• Practicum of Human Services</td>
<td>• Principles of Education</td>
<td>• Lifetime Nutrition and Wellness/Interpersonal Studies</td>
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<tr>
<td>• Cosmetology II</td>
<td>Choose additional credits from the following:</td>
<td>• Instructional Practice</td>
<td>• Family and Community Services</td>
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<td>• Principles of Human Services</td>
<td>• Practicum in Education and Training</td>
<td>• Counseling and Mental Health</td>
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<td></td>
<td>• Introduction to Culinary Arts or Culinary Arts Prep or Interior Design</td>
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<td>• Instructional Practice</td>
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<td></td>
<td>• Principles of Education</td>
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<td>• Child Development</td>
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<td>• Human Growth and Development</td>
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<td></td>
<td>• Lifetime Nutrition and Wellness/Interpersonal Studies</td>
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<tr>
<td></td>
<td>Choose additional credits from the following:</td>
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<tr>
<td></td>
<td>• Professional Communications</td>
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<tr>
<td></td>
<td>• Principles of Human Services</td>
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<td>• Human Growth and Development</td>
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<td>• Child Development</td>
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<td></td>
<td>• Lifetime Nutrition and Wellness/Interpersonal Studies</td>
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<tr>
<td></td>
<td>• Counseling and Mental Health</td>
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<td></td>
<td>• Career Preparation</td>
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<tr>
<td></td>
<td>• Project-based Research</td>
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</tr>
</tbody>
</table>

Business and Industry Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.

- Cosmetology, Operator License - Texas Department of Licensing and Regulation (TDLR)
- Pre-Professional Assessment Certification - Family and Community Services & Broad Field Family and Consumer Sciences
- Pre-Professional Assessment Certification - Education Fundamentals

## Notes:

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## Multidisciplinary Endorsement

A student may earn a Multidisciplinary Endorsement by completing foundation and general endorsement requirements. In addition, students must complete one of the Program of Study options listed below.

### Multidisciplinary Program of Study

<table>
<thead>
<tr>
<th>16 Credits Required (Option 1)</th>
<th>4 Credits Required (Option 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 credits - Four credits in each of the foundation areas to include English IV, Chemistry and/or Physics</td>
<td>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.</td>
</tr>
</tbody>
</table>

### Required Courses: 4 credits of English
- English I
- English II
- English III or English III AP/IB
- English IV or English IV AP/IB

### Required Courses: 4 credits of Math
- Algebra I
- Geometry

Choose additional credits from the following:
- Advanced Quantitative Reasoning
- Algebra II
- Algebraic Reasoning
- Calculus AB AP
- Calculus BC AP
- Computer Science AP (Technology Applications)
- Digital Electronics (CTE - 3rd credit only)
- Independent Study in Mathematics
- Pre-calculus
- Math Models (3rd credit only)
- Mathematical Studies IB
- Mathematics SL IB
- Mathematics HL IB
- Statistics
- Statistics AP

### Required Courses: 4 credit of Science
- Biology Chemistry OR Physics

Choose additional credits from the following:
- Advanced Quantitative Reasoning
- 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 and Space Science
- AP Environmental Science
- Environmental Systems
- IPC
- Scientific Research and Design
- Advanced Animal Science
- Engineering Science
- Medical Microbiology
- Chemistry
- Physics

### Required Courses: 4 credit of Social Studies
- World Geography/Human Geography AP AND/OR World History/World History AP
- US History or US History AP or History of Americas I & II
- Government or Government AP
- Economics or Macroeconomics AP

Choose additional credit if needed from the following:
- European History AP
- Investigations in Psychology/Psychology AP
- Psychology, IB I-II
- 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

### 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 I & II
- Government AP or DC/Macroeconomics AP or DC
- Microeconomics AP
- European History AP
- Investigations in Psychology/Psychology AP
- Psychology, IB I-II
- Biology AP or Biology SL & HL Chemistry AP or Chemistry SL & HL IB
- Physics AP or Physics IB SL & HL
- AP Environmental Science
- AP Calculus AB
- AP Calculus BC
- IB Mathematical Studies
- IB Mathematics SL
- IB Mathematics HL AP Statistics
- Art AP - Drawing Portfolio
- Art AP - Two Dimensional Design
- Art AP - Three Dimensional Design
- Art AP - Art History
- Dance IB SL
- Dance IB HL
- Theatre Arts IB I-II
- Music IB SL
- Music IB HL
- Music Theory AP
- French IV AP/IB
- Latin IV AP/IB
- Spanish IV AP/IB
- Spanish V AP/IB
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.
<table>
<thead>
<tr>
<th>Course Name</th>
<th>Credits</th>
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<tr>
<td>Lifetime Nutrition and Wellness Applied</td>
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<tr>
<td>Lifetime Nutrition and Wellness M</td>
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<tr>
<td>Livestock Production</td>
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<tr>
<td>Macroeconomics AP</td>
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<tr>
<td>Marketing</td>
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<tr>
<td>History of the Americas IB</td>
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<tr>
<td>Human Body Systems (PLTW)</td>
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<tr>
<td>Human Geography AP</td>
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<tr>
<td>Human Growth &amp; Development</td>
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<tr>
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<tr>
<td>Human Resource Management</td>
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<td>Influence of the New Testament Bible on American</td>
<td>35</td>
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<tr>
<td>Civilization</td>
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<tr>
<td>Influence of the Old Testament Bible on American</td>
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<tr>
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<tr>
<td>Innovation and Integration I-III...</td>
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<td>Integrated Physics and Chemistry</td>
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<td>Interpersonal Studies</td>
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<td>Introduction to Culinary Arts</td>
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<td>Introduction to Engineering Design (PLTW)</td>
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<td>Introduction to Speech Communications - ACC Dual</td>
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<td>Credit</td>
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<td>Investigations in Psychology</td>
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<td>Journalism</td>
<td>28</td>
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<td>Journalism Independent Study - Internship</td>
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<tr>
<td>Latin I-III</td>
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<td>Latin II M</td>
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<td>Leaders in Technology I-III</td>
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<td>Practical in Education and Training</td>
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<td>Practicum in Electrical Construction Management</td>
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<td>Practicum in Fashion Design</td>
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<td>Practicum in Health Science</td>
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<td>Practicum in Hospitality Service</td>
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<td>Practicum in Interior Design</td>
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<td>Practicum in Transportation Systems</td>
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<td>Principles of Agriculture, Food &amp; Natural Resources</td>
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<td>Principles of Arts, A/V &amp; Communications</td>
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<td>Principles of Biomedical Sciences (PLTW)</td>
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<td>Principles of Business, Marketing and Finance</td>
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<td>Principles of Construction</td>
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<td>Principles of Dance I-IV</td>
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<td>Principles of Human Services M</td>
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<td>Principles of Law, Public Safety, Corrections &amp;</td>
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<td>PSAT Team</td>
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<td>Psychology</td>
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<td>Spanish I II</td>
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<td>Wildlife, Fisheries and Ecology Management</td>
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<td>World History</td>
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<td>Wrestling</td>
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<td>Writing Improvement I-III</td>
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</table>

**Summary**

The Leander ISD Course Catalog for the 2018-19 academic year lists a variety of courses offered across different departments, including Arts, Sciences, Athletic, and Technical fields. Courses range from introductory to advanced levels, covering subjects from Math and Science to English, History, and Foreign Languages. The catalog is a comprehensive guide for students and parents, outlining prerequisites, course descriptions, and course credit values. It serves as a resource for planning and choosing courses that align with students' educational goals and interests.
The six key characteristics shown below represent the Leander ISD Graduate Profile, a document that lists the skills and abilities each LISD student will know and be able to demonstrate upon graduation. To view this document in its entirety, please visit www.leanderisd.org.

In LISD, everything we do and every learning activity is focused upon meeting our district vision and upon guiding our students toward acquiring the skills and competencies listed in Leander ISD’s Graduate Profile. This is the singular purpose of our existence.

**Academics**

**Character Development**

**Communication**

**Effective, Productive & Lifelong Learning**

**Personal Growth & Expression**

**Social Awareness, Contribution & Stewardship**