

Lovejoy High School
Academic Planning Guide
2025-2026



Lovejoy Independent School District
259 Country Club Road, Allen, TX 75002
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Dear Lovejoy Students and Parents,

The students of Lovejoy High School have many diverse and unique interests and aspirations. Your high school experience should reflect your individual interests so you can get as much out of your time and effort as possible.

As you select your classes and develop your personal graduation plan, consider your own strengths and weaknesses, both academic and extra-curricular. The time you spend in high school is limited, so make sure that your schedule reflects your wants and needs as a student.

As you select classes for your next year of study, remember these important points:

- A rigorous course load is a predictor of success as you move into a college environment. We encourage all Lovejoy High School students to consider taking an AP class;
- High school is a time to try different courses and define your areas of interest. Select classes based on your future goals and passions; and
- Balancing class loads and extra-curricular opportunities is important to staying well-rounded.

Students who are able to experience each component of the Lovejoy Graduate Profile will leave Lovejoy High School with many options and possible next steps. Choosing classes with the end in mind will enhance your experience at Lovejoy High School. Be informed and choose classes wisely to get the most from your high school experience.

Sincerely,

Justin Wieller
Principal
Lovejoy High School



Lovejoy Independent School District Graduate Profile

Major precepts pursued by each graduating Lovejoy High School senior

Intellectually Equipped

The Lovejoy graduate has faced a challenging curriculum that has prepared him or her for a successful college experience. The courses taken at Lovejoy matched the student's strengths and interests, as well as challenged his/her mind, imagination, feelings and social consciousness. The Lovejoy graduate is able to think critically and can express ideas clearly through oral and written expression. He or she has developed an academic skill set that allows for mastery of highly rigorous coursework. The graduate has learned to discern quality work from mediocre efforts and has chosen to pursue excellence by relying on self-discipline, initiative, creativity and integrity.

Open to the Challenges of Learning

The Lovejoy graduate has a diverse background of formational experiences that have given him/her opportunities to learn and grow. The graduating senior has learned to be reflective and self-evaluative. Having experienced Lovejoy High School as a safe haven for the mistakes and false starts inherent in learning, the graduate understands that risk-taking and resiliency are necessary for growth. He or she values being viewed as an adult and feels prepared to manage more complex responsibilities. The Lovejoy graduate accepts the challenges of lifelong learning.

Well-Rounded

The Lovejoy graduate has had a variety of experiences beyond the classroom. Opportunities to excel in art and music, on the stage and on the athletic fields have led the graduate to view aesthetic and physical development as essential to an education. The graduate has participated in extracurricular activities that promote teamwork, leadership, responsibility, humility and physical and emotional fitness. In competitive arenas, the graduate has learned the value of fair play and respect for teammates and adversaries alike.

Engaged in a Healthy Lifestyle

The Lovejoy graduate has demonstrated the self-discipline to pursue physical, cognitive and emotional health. She or he has developed the desire to engage in a healthy lifestyle, including a life-long commitment to physical activity. The Lovejoy student understands the physiological effects of lifestyle – including nutrition, exercise, and high-risk behaviors – on long-term health. He or she has developed the habits and self-discipline to achieve life-long wellness.

Fair and Respectful of Others

The Lovejoy graduate has had the opportunity to interact with students, teachers, administrators and parents in a variety of settings. He or she has chosen to act in accordance with the principle - treat others as he or she would want to be treated. These experiences have led the student to go outside himself or herself to find happiness and joy in the love, friendship, and companionship of others.

Works for Justice in the Community

The Lovejoy graduate has experienced the satisfaction of giving and service. She/He has learned through service projects to comprehend the abstract ideas of justice and community. The student has begun to appreciate the need to couple ethical thinking with ethical action. Ultimately, the Lovejoy graduate has learned to respond in love and service to those in need and now strives to move beyond self-interest in relationships with others.

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Nondiscrimination Policy

It is the policy of the Lovejoy School District not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities and provides equal access to the Boy Scouts and other designated youth groups as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

It is the policy of the Lovejoy School District not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended.

Lovejoy 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.

For information about your rights or grievance procedures, contact Dr. Travis Zambiasi (travis_zambiasi@lovejoyisd.net) at 259 Country Club Road, Allen, Texas, 75002 469-742-8000.

Planning Your High School Program and Beyond



This guide provides curriculum information in order to assist the students of Lovejoy High School (LHS) in making course selections that will satisfy graduation requirements and meet their personal needs for the future. Some courses listed may not have been previously offered and will be available only if enough students choose to take them. Students should carefully choose courses that will both challenge them and meet their needs.

Graduation Programs and Requirements

House Bill 5 was signed into law in the summer of 2013 and applies to all students entering high school during the 2014-15 school year and thereafter. House Bill 5 established a single graduation program, the Foundation High School Program (FHSP). Students will also have the opportunity to build on the FHSP by earning Endorsements, Performance Acknowledgements, and a Distinguished Level of Achievement. Students will need to declare their preferred endorsement area, in writing, by the beginning of their 9th grade year. Students have opportunities to change endorsement areas during the time of course selection every year. Visit with your counselor for more information.

Lovejoy students earn the Multidisciplinary Endorsement by completing the Foundation plus Endorsement Program. Additional endorsements can be earned by taking courses in Career and Technical Education (CTE) or by taking additional non-CTE courses specified within the endorsement requirements. The five endorsements that can be earned are the following:

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

Students who meet the minimum requirements of the local Lovejoy ISD graduation program under [EIF Local](#) will meet the requirements of the Distinguished Level of Achievement.

- **Distinguished Level of Achievement (DLA)**

The Distinguished Level of Achievement (DLA) is the highest graduation program in the state of Texas. ***The Foundation High School Program + Endorsement with DLA is the default for all Lovejoy ISD students with the goal of all students graduating from Lovejoy High School college and career ready.*** Students earn Distinguished Level of Achievement by completing the 26 required credits. Credits must include

Algebra II as one of the four math courses and Chemistry or Physics as one of the four science courses.

The Distinguished Level of Achievement must be earned to be admitted to a Texas public university under the Top 10 percent automatic admission law.

- **Foundation High School Program + Endorsement**

A student is required to meet and exceed the Foundation Program by successfully completing the specified course requirements for one or more endorsement(s). Students earn Foundation High School Program + Endorsement by completing the 26 required credits which includes four mathematics courses and four science courses.

Lovejoy ISD High School Graduation Programs Chart for the Class of 2027 and beyond

	Distinguished Level of Achievement + Endorsement Program <i>(Default for all LISD students with the goal of all students graduating from Lovejoy High School college and career ready.)</i>	Foundation + Endorsement Program
Reading Language Arts	4 Credits <ul style="list-style-type: none"> • English I • English II • An advanced English course • An advanced English course 	4 Credits <ul style="list-style-type: none"> • English I • English II • An advanced English course • An advanced English course
Mathematics	4 Credits <ul style="list-style-type: none"> • Algebra I • Geometry • Algebra II • An advanced math course 	4 Credits <ul style="list-style-type: none"> • Algebra I • Geometry • Algebra II • An advanced math course
Science *IMPORTANT See note below for 2025 and 2026 graduates	4 Credits <ul style="list-style-type: none"> • Biology • Chemistry or Physics • An advanced science course • An advanced science course 	4 Credits <ul style="list-style-type: none"> • Biology • Chemistry or Physics • An advanced science course • An advanced science course
Social Studies	4 Credits <ul style="list-style-type: none"> • World Geography • World History • U.S. History • Government (0.5 Credit) • Economics (0.5 Credit) 	4 Credits <ul style="list-style-type: none"> • World Geography • World History • U.S. History • Government (0.5 Credit) • Economics (0.5 Credit)
World Languages **	2 Credits <ul style="list-style-type: none"> • In the same language • Computer Science 	2 Credits <ul style="list-style-type: none"> • In the same language • Computer Science
Fine Arts	1 Credit	1 Credit
Physical Education	1 Credit	1 Credit
Speech †	0.5 Credit	0.5 Credit
Health §	0.5 Credit	0.5 Credit
Technology Applications	1 Credit	1 Credit
Electives	4 Credits	4 Credits
TOTAL	26 Credits	26 Credits

* The Science requirement for the Foundations + Endorsement Program and Distinguished Level of Achievement + Endorsement Program is Biology, Chemistry, Physics and an advanced science course. This applies for the graduating class 2026.

** Computer Science may count as a World Language credit for Texas high school graduation. Students who choose Computer Science are encouraged to check with their prospective college or university admissions to determine if Computer Science meets World Language requirements.

† The Speech course requirement can be earned by completing one of the following: Professional Communication, Oral Interpretation, Debate, AP Seminar, or Engineering Design and Development.

§ The Health course requirement can be earned by completing Health or Principles of Health Science. The Technology Applications course requirement can be earned by completing one of the following: audio/video course, technology course, communications or journalism course, Foundations of Business,

Communications, and Technologies (formerly known as Business Information Management I) and Business, Communications, and Technologies (formerly known as Business Information Management II), or STEM course.

Early Graduation Requirements

Students who wish to graduate early should contact their counselor to develop a plan and file a declaration of intent to graduate early. The request will go to the campus administrator for final approval. The request to graduate early must be completed after May 1 of the first year of high school and before August 1 of the third year of high school. Requests made after the deadline will be considered for approval by school administration. All high school students who apply to graduate early must complete the requirements for the Lovejoy ISD Foundation plus Endorsement High School Program.

If a student is approved to graduate in December of their senior year, proof of completion for online courses and/or credit by exams (CBE) must be received by December 1. If a student is approved to graduate a full year early, proof of completion for online courses and/or credit by exams (CBE) must be received by May 1 prior to graduation. Proof of completion is an official score report or transcript from the school awarding credit. If the student does not meet the deadline requirements, he/she will not graduate early. All online courses and credit by exams (CBE) must be approved by school administration prior to registering. CBE passing requirements can be found under the credit by exam section of the course catalog.

A student who has earned 15 credits after the sophomore year and who has been approved to graduate the following May (one year early), will be classified and ranked as a senior at the beginning of the graduating year.

Texas First Early High School Completion Program

Senate Bill 1888 from the 87th Texas Legislature established the Texas First Early High School Completion Program to allow public high school students who demonstrate early readiness for college to graduate early from high school. The purpose of the Texas First Early School Completion Program is to promote efficiency in the state public education system and incentivize the enrollment of high performing students at eligible institutions within the state of Texas. For more information about this program, visit the Texas Education Agency [website](#) or schedule a meeting with your counselor.

Performance Acknowledgements

Students can earn performance acknowledgements in the following five areas:

1. Outstanding performance in a dual credit course by completing the following:
 - Earn at least 12 hours of dual credit as part of the Texas core curriculum or advanced technical credit courses with a grade of the equivalent of 3.0 or higher on a scale of 4.0; or
 - Earn an Associate's Degree while in high school

2. Outstanding performance in bilingualism and bi-literacy by demonstrating proficiency in accordance with local school district grading policy in two or more languages by:
 - 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
 - satisfying one of the following:
 - completion of a minimum of three 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 three credits in foundation subject area courses in a language other than English with a minimum GPA 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 score of 3 or higher on a College Board AP exam for a language other than English; or

- a score of 4 or higher on an IB exam for a higher-level languages other than English course; or
 - 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 acknowledgment 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 Texas English Language Proficiency Assessment System (TELPAS).

3. Outstanding performance on a College Board advanced placement test or International Baccalaureate examination by earning:

- a score of 3 or above on a College Board advanced placement test
- a score of 4 or above on an International Baccalaureate examination

4. 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:

- earning a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) that qualifies the student for recognition as a commended scholar or higher by the National Merit Scholarship Corporation or as an awardee of the National Recognition Programs of the College Board
- earning a composite score of 442 on the ACT Aspire™ examination;
- earning a composite score of 29 on the ACT PreACT® examination;
- earning a total score of at least 1350 on the SAT®; or
- earning a composite score on the ACT® examination of 29 (excluding the writing subscore).

5. Earning a state-recognized or nationally or internationally recognized business or industry certification or license as follows:

- performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification; or
- performance on an examination sufficient to obtain a government-required credential to practice a profession.
- Nationally or internationally recognized business or industry certification shall be defined as an industry validated credential that complies with knowledge and skills standards promulgated by a national or internationally recognized business, industry, professional, or government 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 government entity or
 - A state-based industry association
- 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 examination or series of examinations, 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.

Endorsement Requirements

Students are able to earn one or more endorsements as part of their graduation requirements. Endorsements consist of a related series of courses that are grouped together by interest or skill set. Students do not need to take every course listed under each sequence, nor are these prescribed sequences for students. *These are recommended sequences only. Students earn an endorsement by completing the curriculum requirements for the endorsement, including a fourth credit of math and science.*

Requirements apply for students who entered high school during the 2022-2023 school year and beyond.

ARTS AND HUMANITIES ENDORSEMENT			
Unless noted, this endorsement can be earned with 4 credits in a coherent sequence. Please view the LISD Academic Planning Guide for prerequisites and other specifics.			
First Course in Sequence	Second Course in Sequence	Third Course in Sequence	Fourth Course in Sequence
Fine Arts - Art			
<ul style="list-style-type: none"> • Art I • Art I Accelerated 	<ul style="list-style-type: none"> • Art II: Drawing and Painting • Art II: Drawing and Painting Accelerated • Art II: Sculpture and Ceramics 	<ul style="list-style-type: none"> • Art III: Drawing and Painting • Art III: Drawing and Painting Accelerated • Art III: Sculpture and Ceramics 	<ul style="list-style-type: none"> • AP 2D Art and Design • AP Drawing • AP 3D Art and Design • AP Art History • Art Practicum: Gallery Management and Curation
Fine Arts - Dance			
<ul style="list-style-type: none"> • Studio Dance I 	<ul style="list-style-type: none"> • Studio Dance II 	<ul style="list-style-type: none"> • Studio Dance III 	<ul style="list-style-type: none"> • Studio Dance IV
Fine Arts - Music			
<ul style="list-style-type: none"> • Band I • Choir I • Orchestra I • Applied Music I 	<ul style="list-style-type: none"> • Band II • Choir II • Orchestra II • Applied Music II 	<ul style="list-style-type: none"> • Band III • Choir III • Orchestra III • Applied Music III 	<ul style="list-style-type: none"> • Band IV • Choir IV • Orchestra IV • Applied Music IV • AP Music Theory
Fine Arts - Theatre			
<ul style="list-style-type: none"> • Acting I • Technical Theatre I • Technical Theatre Management I • Production I 	<ul style="list-style-type: none"> • Acting II • Technical Theatre II • Technical Theatre Management II • Production II 	<ul style="list-style-type: none"> • Acting III • Technical Theatre III • Technical Theatre Management III • Production III • Theatre Directing I 	<ul style="list-style-type: none"> • Acting IV • Technical Theatre IV • Technical Theatre Management IV • Production IV • Theatre Directing II
Language			
<ul style="list-style-type: none"> • Spanish I Advanced • French I Advanced • Chinese I Advanced 	<ul style="list-style-type: none"> • Spanish II Advanced • French II Advanced • Chinese II Advanced • American Sign Language II Advanced 	<ul style="list-style-type: none"> • Spanish III Advanced • French III Advanced • Chinese III Advanced • American Sign Language III Advanced 	<ul style="list-style-type: none"> • AP Spanish • AP Spanish Literature • AP French • American Sign Language IV Advanced
Social Studies - Students must earn 5 total credits			
<ul style="list-style-type: none"> • World Geography • AP Human Geography 	<ul style="list-style-type: none"> • World History or AP World History • AP Seminar 	<ul style="list-style-type: none"> • US History or AP US History • Psychology or AP Psychology • AP European History • AP Seminar • AP Research 	<ul style="list-style-type: none"> • US Government or AP US Government and Politics • Economics, Personal Financial Literacy and Economics or AP Macroeconomics • AP European History • AP Research
English			
<ul style="list-style-type: none"> • English IV • AP English Language and Composition 	<ul style="list-style-type: none"> • AP English Literature and Composition 	<ul style="list-style-type: none"> • American Literature I (Dual Credit Course) • American Literature II (Dual Credit Course) 	<ul style="list-style-type: none"> • Technical & Business Writing (Dual Credit Course)

BUSINESS AND INDUSTRY ENDORSEMENT

Unless noted, this endorsement can be earned with 4 credits in a coherent sequence. Please view the LISD Academic Planning Guide for prerequisites and other specifics.

First Course in Sequence	Second Course in Sequence	Third Course in Sequence	Fourth Course in Sequence
Art, AV Technology and Communication - Graphic Design and Interactive Multimedia Arts			
<ul style="list-style-type: none"> • Principles of Arts, A/V Technology and Communications • Digital Media 	<ul style="list-style-type: none"> • Graphic Design and Illustration I 	<ul style="list-style-type: none"> • Digital Art and Animation 	<ul style="list-style-type: none"> • Independent Study in Technology Applications
Art, AV Technology and Communication - Digital Communication			
<ul style="list-style-type: none"> • Principles of Arts, A/V Technology and Communications • Professional Communication 	<ul style="list-style-type: none"> • Audio/Video Production I 	<ul style="list-style-type: none"> • Audio/Video Production II 	<ul style="list-style-type: none"> • Practicum in Audio/Video Production
Business, Marketing, and Finance - Accounting and Financial Services			
<ul style="list-style-type: none"> • Principles of Business, Marketing, and Finance 	<ul style="list-style-type: none"> • Accounting I • Money Matters • Banking and Financial Services 	<ul style="list-style-type: none"> • Accounting II • Financial Analysis 	<ul style="list-style-type: none"> • Practicum in Business Management • Securities and Investments
Business, Marketing, and Finance - Business Management			
<ul style="list-style-type: none"> • Principles of Business, Marketing, and Finance • Foundations of Business, Communications, and Technologies (formerly Business Information Management I) 	<ul style="list-style-type: none"> • Business, Communications, and Technologies (formerly Business Information Management II) 	<ul style="list-style-type: none"> • Business Management 	<ul style="list-style-type: none"> • Practicum in Business Management
Business, Marketing, and Finance - Marketing			
<ul style="list-style-type: none"> • Principles of Business, Marketing, and Finance 	<ul style="list-style-type: none"> • Fashion Marketing • Sports and Entertainment Marketing 	<ul style="list-style-type: none"> • Social Media Marketing 	<ul style="list-style-type: none"> • Practicum in Marketing
Journalism and Debate			
<ul style="list-style-type: none"> • Journalism • Photojournalism • Professional Communication 	<ul style="list-style-type: none"> • Advanced Journalism: Newspaper I or Yearbook I • Advanced Broadcast Journalism I • Debate I • Oral Interpretation I 	<ul style="list-style-type: none"> • Advanced Journalism: Newspaper II or Yearbook II • Advanced Broadcast Journalism II • Debate II • Oral Interpretation II 	<ul style="list-style-type: none"> • Advanced Journalism: Newspaper III or Yearbook III • Advanced Broadcast Journalism III • Debate III • Oral Interpretation III • Independent Study in Journalism
Business and Industry - Manufacturing			
<ul style="list-style-type: none"> • Introduction to Engineering Design (PLTW) 	<ul style="list-style-type: none"> • Robotics I 	<ul style="list-style-type: none"> • Robotics II 	<ul style="list-style-type: none"> • Practicum in Manufacturing
Business and Industry - Aviation Pilots			
<ul style="list-style-type: none"> • Introduction to Aerospace and Aviation 	<ul style="list-style-type: none"> • Introduction to Unmanned Aerial Vehicle Flight 	<ul style="list-style-type: none"> • Aerospace Engineering 	<ul style="list-style-type: none"> • Practicum in Transportation Systems

MULTIDISCIPLINARY ENDORSEMENT

This endorsement can be earned with a total of 16 credits from each core content area - English, Mathematics, Science and Social Studies.

First Course in Sequence	Second Course in Sequence	Third Course in Sequence	Fourth Course in Sequence
Select one credit from each core content area in each sequence. Content area dual credit courses count towards the requirements. Please view the LISD Academic Planning Guide for prerequisites and other specifics.			
<ul style="list-style-type: none"> • English I • Algebra I • Biology • World Geography or AP Human Geography 	<ul style="list-style-type: none"> • English II • Geometry • Chemistry or Physics • World History or AP World History 	<ul style="list-style-type: none"> • English III, AP English Language and Composition, or Dual Credit Course • Algebra II • Chemistry, Physics or AP Physics I • US History, AP US History, or Dual Credit Course 	<ul style="list-style-type: none"> • English IV, AP English Literature and Composition, or Dual Credit Course • Precalculus, AP Calculus or another 4th Mathematics course including Dual Credit Course • AP Biology, AP Chemistry, AP Physics I, AP Physics II or another 4th Science Course • Government and Economics, AP Government and AP Macroeconomics, or Dual Credit Course

PUBLIC SERVICE ENDORSEMENT

Unless noted, this endorsement can be earned with 4 credits in a coherent sequence. Please view the LISD Academic Planning Guide for prerequisites and other specifics.

First Course in Sequence	Second Course in Sequence	Third Course in Sequence	Fourth Course in Sequence
Education and Training - Teaching and Training			
<ul style="list-style-type: none"> • Principles of Education and Training 	<ul style="list-style-type: none"> • Child Development 	<ul style="list-style-type: none"> • Instructional Practices 	<ul style="list-style-type: none"> • Practicum in Education and Training I • Practicum in Education and Training II
Health Science - Exercise Science, Wellness, and Restoration			
<ul style="list-style-type: none"> • Principles of Health Science 	<ul style="list-style-type: none"> • Sports Medicine I (Kinesiology I) 	<ul style="list-style-type: none"> • Sports Medicine II (Kinesiology II) • Anatomy and Physiology 	<ul style="list-style-type: none"> • Practicum in Health Science
Health Science - Healthcare Therapeutic			
<ul style="list-style-type: none"> • Principles of Health Science 	<ul style="list-style-type: none"> • Medical Terminology (Dual Credit Course) • Pathophysiology (Dual Credit Course) 	<ul style="list-style-type: none"> • Anatomy and Physiology • Health Science Theory/Health Science Clinical (Dual Credit Course) 	<ul style="list-style-type: none"> • Pharmacology • Practicum in Health Science (Dual Credit Course)

STEM (Science, Technology, Engineering, and Mathematics) ENDORSEMENT

Unless noted, this endorsement can be earned with 4 credits in a coherent sequence and Algebra II, Chemistry, and Physics. Please view the LISD Academic Planning Guide for prerequisites and other specifics. Also see Note below.

First Course in Sequence	Second Course in Sequence	Third Course in Sequence	Fourth Course in Sequence
STEM - Mechanical and Aerospace Engineering			
<ul style="list-style-type: none"> • Introduction to Computer-Aided Design and Drafting • Introduction to Engineering Design (PLTW) 	<ul style="list-style-type: none"> • Intermediate Computer-Aided Design and Drafting 	<ul style="list-style-type: none"> • Engineering Science • Aerospace Engineering (PLTW) 	<ul style="list-style-type: none"> • Engineering Design and Development (PLTW) • Practicum in STEM
STEM - Programming and Software Development			
<ul style="list-style-type: none"> • Fundamentals of Computer Science • Computer Science I 	<ul style="list-style-type: none"> • AP Computer Science A 	<ul style="list-style-type: none"> • Computer Science III 	<ul style="list-style-type: none"> • Practicum in STEM • Independent Study in Technology Applications
Mathematics - Students must earn 5 total credits			
<ul style="list-style-type: none"> • Algebra I 	<ul style="list-style-type: none"> • Geometry • Algebra II • AP Computer Science A 	<ul style="list-style-type: none"> • Precalculus or AP Precalculus • Statistics, AP Statistics, or Dual Credit Course 	<ul style="list-style-type: none"> • AP Calculus AB • AP Calculus BC • Calculus II • Calculus III • Differential Equations
Science - Students must earn 5 total credits			
<ul style="list-style-type: none"> • Biology 	<ul style="list-style-type: none"> • Chemistry • Physics 	<ul style="list-style-type: none"> • AP Biology • AP Chemistry • AP Physics I 	<ul style="list-style-type: none"> • AP Environmental Science • AP Physics II • AP Physics C • Anatomy & Physiology • Forensic Science

NOTE: The Texas Education Agency (TEA) has clarified that if a student does not meet the Mathematics or Science requirements for a STEM endorsement but is a completer in a related program of study, the student will instead receive a Business and Industry endorsement. A complete listing of the programs of study being offered can be found under the Career and Technical Education (CTE) section of this guide.

College, Career, and Military Readiness (CCMR)

A primary goal of Lovejoy ISD is for every student to demonstrate College, Career and/or Military Readiness (CCMR) before graduation. Meeting CCMR criteria demonstrates the student is ready for the next step after high school graduation. There are three pathways students can take to demonstrate CCMR: College Readiness, Career Readiness, and/or Military Readiness. CCMR readiness criteria are not required for high school graduation, but rather should be used as benchmarks to provide students with indications that they are adequately prepared for a variety of life experiences including college and the world of work.

Lovejoy ISD strives for each graduate to meet at least one of the CCMR indicators through high school programs. More than 90 percent of each graduating class meets at least one of the CCMR indicators during their high school careers. School counselors partner with families to support CCMR goals by meeting with students yearly to review four-year plans and choosing courses that will best prepare them to meet their graduation and post-secondary goals. The charts below can assist to understand and plan for ways to meet CCMR benchmarks and readiness criteria.

College Readiness

Research indicates that taking advanced courses helps better prepare students for college classes. Students who take AP and/or Dual Credit courses are more likely to persist in college and complete a degree. Students may also earn college credit if they meet the criteria.

CCMR Indicator	Readiness Criteria
Advanced Placement (AP) Exams	Pass an AP course and earn a score of 3, 4 or 5 on the exam
Dual Credit Courses	Complete one of the following and earn dual credit by passing the course(s): <ul style="list-style-type: none"> ● English (3 credits) ● Math (3 credits) ● 3 dual credit courses for a total of 9 credits

Texas Success Initiative (TSI)

TSI is the criteria that Texas uses as the benchmark for determining if students are ready to take college courses. Students must take the SAT, ACT, or the TSI-Assessment and meet the required score for both English/Reading and Math. Students may use a passing score for one subject (ELAR or Math) and a passing score for the other subject from different tests. For example, a graduate may meet the TSI criteria for college readiness in English/Reading on the SAT and Math on the ACT.

Students who meet the TSI benchmarks will not be required to take developmental courses in college.

CCMR Indicator	Readiness Criteria
SAT	11th or 12th Grade: SAT Take the SAT and earn the following scores: <ul style="list-style-type: none"> ● Evidenced-Based Reading and Writing - 480 or higher ● Math - 530 or higher
ACT	Take the ACT and earn the following scores (starting February 15, 2023): <ul style="list-style-type: none"> ● English and Reading Sections - a combined score of 40 or higher ● Math Section - 22 or higher
TSIA 2	Take the TSIA2 and earn the following scores: <ul style="list-style-type: none"> ● English Language Arts and Reading \geq 945 and \geq 5 on the essay; ● Math \geq 950

	<p>or</p> <ul style="list-style-type: none"> ● English Language Arts and Reading <945 and ≥ 5 on the diagnostic and ≥ 5 on the essay; ● Math < 950 and = 6 on the diagnostic
College Preparatory Course	Take a College Preparatory English or Math course if the student does not do well on college assessment tests. College preparatory courses are for high school seniors only. Students must pass the course with a grade of 70 percent or above. See note below.

Career Readiness

Take steps to prepare for a future career. Lovejoy ISD offers many options for students to prepare for the career they want and to demonstrate career readiness.

CCMR Indicator	Readiness Criteria
Program of Study + Industry-Based Certification	Pass 3 or more Career and Technical Education courses in a Program of Study or earn 4 or more credits, including a Level 3 or Level 4 course AND earn an aligned Industry-Based Certification
Earn a Level I or Level II Certificate	Take a sequence of college workforce courses to earn a Level I (typically 4 courses) or Level II (typically 12 courses) Certificate
IEP and Workforce Readiness for Special Education Students	A graduate receiving a graduation type code of 54 or 55, which indicates the student has completed his/her IEP and has either demonstrated self-employment with self-help skills to maintain employment or has demonstrated mastery of specific employability and self-help skills that do not require public school services.
Advanced Degree Plan for Special Education Students	A graduate who is identified as receiving special education services during the year of graduation and whose graduation plan type is identified as Foundation High School Plan with Endorsement (FHSP-E) or Foundation High School Plan with Distinguished Level of Achievement (FHSP-DLA).

Military Readiness

The military is another career option for students. Consider the military options listed below and complete the action steps.

CCMR Indicator	Readiness Criteria
Enlist in the Armed Forces <ul style="list-style-type: none"> ● Air Force ● Army ● Coast Guard ● Marine Corps ● Navy ● Texas National Guard 	The following are action steps that should be taken: <ul style="list-style-type: none"> ● Research the different military branch options ● Take and pass the ASVAB exam ● Meet with a military recruiter ● Enlist ● Complete and submit DD Form 4

College Preparatory Courses

College preparatory courses provide instruction in English Language Arts and/or Mathematics for high school seniors to help students meet college and career readiness standards. These courses are intended for high school seniors who have not demonstrated college readiness in English Language Arts and/or Mathematics on the SAT, ACT, or TSIA 2.

Career and Technical Education - Programs of Study

Lovejoy ISD offers students courses in almost twenty different Programs of Study in the following Career Clusters:

- Arts, Audio and Video Technology and Communications
- Business, Marketing, and Finance
- Education and Training
- Engineering
- Health Science
- Information Technology
- Manufacturing
- Transportation, Distribution & Logistics

Admission to these programs is based on interest and aptitude, age appropriateness, and class space available.

Additional Graduation Requirements for all Lovejoy Students

In addition to the required 26 credits and all other state requirements, all LHS seniors are required to complete the following:

- **Senior Portfolio**

The Senior Portfolio is a cumulative four year progression of learning that is embedded into coursework and the school day. Students may access and add to their senior portfolio for the purposes of college and career planning.

The LISD Senior Portfolio includes the following components:

- Aligns with the [Leopard Profile Expectations](#)
- Intentional, explicit instruction and practice of future ready skills;
- Skills such as communication, technology and research;
- Community service and leadership;*
- Exploration of passions and interests;
- Learning that is intentional and explicit; and,
- A gradual release of responsibility to the student by the senior year.

The student product will become a digital portfolio that captures

- Career and College Readiness
- Research Capabilities
- Service and Leadership
- Digital Readiness

* One key change to note is the addition of service hours to the graduation requirement for students as part of this culminating project. In alignment with the Lovejoy ISD [Graduate Profile](#), community service provides students with invaluable opportunities to develop essential skills, such as teamwork, problem-solving, and communication. Outlined below are the requirements by grade level, culminating in 40 hours over a student's four years in high school. The requirement for service hours will start during the 2025-2026 school year.

Service hour requirements

	9th Grade	10th Grade	11th Grade	12th Grade
Service & Leadership (40 hours total)	4 hours	4 hours	12 hours	20 hours

- **Completion of a Free Application for Federal Student Aid (FAFSA)**

In 2019, the 86th Texas Legislature established a new financial aid application graduation requirement. Beginning with students enrolled in 12th grade during the 2021-2022 school year, each student must do one of the following in order to graduate:

- Complete and submit a Free Application for Federal Student Aid (FAFSA);
- Complete and submit a Texas Application for State Financial Aid (TASFA); or
- Submit a signed opt-out form.

Additional information regarding the financial aid application graduation requirement is provided on the [Financial Aid Requirement webpage](#).

- **Instruction in Cardiopulmonary Resuscitation (CPR) and Use of an Automated External Defibrillator (AED)**

In accordance with TEC §74.38, students in Texas are required to receive instruction in Cardiopulmonary Resuscitation (CPR). Instruction may occur in Health I, Principles of Health Science, and Sports Medicine I and II.

- **Instruction in Interaction with Peace Officers**

Per TEC §74.39, students who enter grade 9 in 2018-19 or later will receive instruction in proper interaction with peace officers during traffic stops and other in-person encounters.

STAAR Testing

Students take end-of-course assessments to measure academic performance in Algebra I, Biology, English I, English II, and United States History. Students must earn a score that satisfies a state-determined standard as part of their graduation requirements.

Grade Level Classification

Students (except those planning early graduation) are classified by grade level in August of each school year, according to the number of credits earned. Classifications remain the same throughout the school year unless corrections are necessary due to errors. Students earn 0.5 unit credit per semester for each course with a grade ≥ 70 .

Local credit courses are courses offered by LHS which do not count toward grade level classifications, GPA, class rank or toward the required 26 credits for graduation.

Grade classification is determined at the start of each school year using the following standards:

- Freshman: A student entering high school for the first time or having fewer than 5 credits will be classified as a 9th grader.
- Sophomore: A student who has earned a minimum of 5 credits will be classified as a 10th grader.
- Junior: A student who has earned a minimum of 10 credits will be classified as an 11th grader.
- Senior: A student who has earned a minimum of 15 credits will be classified as a 12th grader.

Grading Policies

Attendance

A student must attend at least 90% of class days per semester in order to receive credit for any course. See the [Student Handbook](#) for more details.

Grading and Reporting

The school year comprises two semesters of approximately 90 days each. Report cards are provided at quarterly intervals and progress reports at the mid-point of the quarter. Quarterly grades are calculated with major grades (tests, major projects, etc.) comprising 60% of the grade and minor grades comprising 40% of the grade.

Parents can view student progress at any time via the PowerSchool Parent Portal on the LHS website.

Teachers provide regular tutorial sessions for students who need extra help. See each teacher for specific tutorial schedules.

The final grade for a full-year course is the average of the two semester grades. If the average of the 2 semesters is not 70 or above, students must repeat the failed (grade<70) semester and earn a grade ≥ 70 . Students repeating both semesters must earn an overall average ≥ 70 .

Summer school grades may not be averaged with regular school-term semester grades to earn a passing grade for the year.

An overall average ≥ 70 is required to pass a one-semester course.

Calculating GPA

GPA is calculated after each semester's grade reporting, and is based on semester grade averages.

Weighted Classes

Classroom grade averages are reported in a 100-point system. GPAs and class ranking are computed using a weighted 4.0 scale to reflect varying levels of course difficulty:

Tier 1: Advanced Placement (AP) courses (including G/T);

Tier 2: Advanced courses for grades 9-12 (including G/T);

Tier 3: All other courses, unless specifically designated.

Rank GPA

All grades earned in high school credit courses, including failing grades, will be included in the calculation of class rank (see Table 1 below) unless excluded as described below. Class rank is calculated after each semester using Table 1 below.

Rank GPA is utilized to determine class rank. Lovejoy ISD is a non-ranking district with the exception of the required top 10%. Student transcripts are reported without rank unless the student is in the top 10%.

Official GPA

A student's official GPA is calculated by averaging semester grades earned in grades 9-12. The numeric semester average earns grade points according to the weighted grade scale for official GPA (see Table 2

below). The official GPA is recorded on each student's high school transcript for the purpose of communicating the student's high school performance.

Unweighted GPA

Unweighted GPA is calculated using Tier 3 of the official GPA scale(Table 2).

Excluding Credits

Students must earn the 26 credits required for graduation. A maximum of eight semester grades may be excluded from the GPA calculation for purposes of class rank. Grades earned from any of the required 26 credits may not be excluded from the Rank GPA calculation; only grades from courses that go beyond the required graduation credits may be discretionarily excluded from the Rank GPA calculation.

All courses listed below will be excluded from the calculation of the official GPA and the Rank GPA and will count as one of the eight semesters of exclusions. All middle school courses are automatic exclusions and do not count toward either rank.

- local elective courses;
- credits earned through credit by examination;
- summer school;
- correspondence, dual credit, and concurrent enrollment college courses;
- web-based courses that are not district designed/delivered;

Table 1 Weighted Scale for Calculating Rank GPA			
Grade	Tier 1:	Tier 2:	Tier 3:
100	5.0	4.5	4.0
99	4.9	4.4	3.9
98	4.8	4.3	3.8
97	4.7	4.2	3.7
96	4.6	4.1	3.6
95	4.5	4.0	3.5
94	4.4	3.9	3.4
93	4.3	3.8	3.3
92	4.2	3.7	3.2
91	4.1	3.6	3.1
90	4.0	3.5	3.0
89	3.9	3.4	2.9
88	3.8	3.3	2.8
87	3.7	3.2	2.7
86	3.6	3.1	2.6
85	3.5	3.0	2.5
84	3.4	2.9	2.4
83	3.3	2.8	2.3
82	3.2	2.7	2.2
81	3.1	2.6	2.1
80	3.0	2.5	2.0
79	2.9	2.4	1.9
78	2.8	2.3	1.8
77	2.7	2.2	1.7
76	2.6	2.1	1.6
75	2.5	2.0	1.5
74	2.4	1.9	1.4
73	2.3	1.8	1.3
72	2.2	1.7	1.2
71	2.1	1.6	1.1
70	2.0	1.5	1.0
<70	0	0	0

Table 2 Weighted Scale for Calculating Official GPA			
Grade	Tier 1:	Tier 2:	Tier 3:
100	5.00	4.50	4.00
99	4.95	4.45	3.95
98	4.90	4.40	3.90
97	4.85	4.35	3.85
96	4.80	4.30	3.80
95	4.75	4.25	3.75
94	4.70	4.20	3.70
93	4.65	4.15	3.65
92	4.60	4.10	3.60
91	4.55	4.05	3.55
90	4.50	4.00	3.50
89	4.45	3.95	3.45
88	4.40	3.90	3.40
87	4.35	3.85	3.35
86	4.30	3.80	3.30
85	4.25	3.75	3.25
84	4.20	3.70	3.20
83	4.15	3.65	3.15
82	4.10	3.60	3.10
81	4.05	3.55	3.05
80	4.00	3.50	3.00
79	3.95	3.45	2.95
78	3.90	3.40	2.90
77	3.85	3.35	2.85
76	3.80	3.30	2.80
75	3.75	3.25	2.75
74	3.70	3.20	2.70
73	3.65	3.15	2.65
72	3.60	3.10	2.60
71	3.55	3.05	2.55
70	3.50	3.00	2.50
<70	0	0	0

Grading Scale

The following grading scale is used to determine letter grades for students as needed.

A = 90-100 B = 80-89 C = 70-79 F = 69 and below

Graduating with Distinction

The same method and rules for local graduation honors will be applied for all students in a graduating class, regardless of the school year in which a student first earned high school credit. The class rank of graduating seniors is calculated at the end of the third quarter grading period of the senior year for purposes of determining honor positions.

Valedictorian and Salutatorian

To be eligible to be Valedictorian or Salutatorian, a student must have completed the Foundation Program with Distinguished Level of Achievement and must have been continuously enrolled at LHS for the four regular semesters immediately preceding graduation. In the event of a tie, multiple valedictorians and no salutatorian shall be named.

Honors Graduates

The Superintendent or designee will develop criteria for students to be recognized as honor graduates of the district. The criteria will be aligned to the graduate profile. LISD honor graduates shall include:

- Summa Cum Laude – top 5%
- Magna Cum Laude – top 10%
- Cum Laude – top 15%

Transfer Students

Credit toward state graduation requirements earned in an accredited public school district in Texas shall be transferable and recognized by the District. Transferred semester grades will be calculated in the GPA according to the designated tiers in the LISD weighted grading scale.

Grades from a nonaccredited school, public, private, or parochial school, including a homeschool, will not be accepted as a transfer grade. Before recognizing credit in a course earned in an accredited nonpublic school, an accredited school outside of Texas, or a nonaccredited school, appropriate personnel shall evaluate a student’s records and transcript. The District may require the student to demonstrate mastery of the content or use alternative methods to verify course content for the awarding of credit.

A student who transfers into LHS with weighted course credits shall receive credits and grade weights counted toward their GPA according to the LISD grading policy. Students who transfer in with letter grades will receive numerical grades based on the following scale:

A+ = 98	B+ = 88	C+ = 78	D* = 70
A = 95	B = 85	C = 75	D** = 69
A- = 91	B- = 81	C- = 71	F = 65
*when transferring district awarded credit			
**when transferring district did not award credit			

Credits earned in previous districts will be granted equivalent course credits based on information from the previous school, counselors, and principal and/or designee.

Graduation and Career Planning

Lovejoy ISD partners with Xello to offer a college and career planning portal to all secondary students. Xello helps students plan coursework to achieve their life goals, including finding colleges and careers based on their knowledge, skills, and areas of interests.

Lovejoy High School Counselors provide the following services:

- Academic planning meetings for each grade level
 - Freshman 1-on-1 sessions with student and parent
 - Sophomore Class Meetings
 - Junior 1-on-1 sessions with student and parent
 - Senior Credit Check
- Individual Postsecondary Planning upon request
- Dual-Credit Advising
- Xello Training for parents and students

- College Fair and College Visits
- Parent Education for College Application Process
- FAFSA training

Courses and Scheduling

Required Core Courses

Students must enroll in each of the four core courses each academic year—English, math, science, and social studies.

Schedule Changes

We determine master schedule and staffing needs based on student course requests. While no master schedule is perfect, ours is designed to maximize student opportunities and minimize scheduling conflicts. Classes fill up and may not be offered during all class periods, so students and parents should gather information and make careful, informed choices when requesting classes. It is critical you request courses you intend to take. Athletics and yearlong electives require extra time and effort. Please take academics and family obligations into account before making these commitments.

The deadline to request a course change is April of each school year. After this date, no course request changes, except summer AP drops, will be allowed unless it is due to one of the following errors:

- Student is placed in the wrong athletics/fine arts course;
- Student is missing a core class (math, English, history, science);
- Student is in a course in which he/she does not have the prerequisite;
- Two classes are scheduled for the same period;
- Student is in a class in which he/she has already received credit;
- Student is a senior missing a course required for graduation.

The school may change a student's schedule AFTER it has been released in order to balance class sizes or to accommodate teacher workloads. If a student's schedule is changed, his/her grade transfers to the new class, and the student must complete any necessary make-up work in the new course. Requests for changes in schedule that involve Advanced Placement (AP) classes must also follow the guidelines of the AP Drop Policy as described in that section. The summer deadline to drop any AP class is the last Friday in July.

Prospective Student Athletes

The NCAA Eligibility Center must certify athletes who wish to participate in Division I or Division II college athletic programs. For more information, please visit the NCAA [Website](#), or see the NCAA campus coordinator.

Transcripts

The transcript is the official student Academic Achievement Record (AAR). Transcripts include semester averages, courses and credits attempted, official GPA, class rank (top 10% only), and state standardized test scores. Courses attempted in middle school for high school credit are recorded on the transcript but are not calculated in the high school GPA or rank. Grades, courses, and credits may not be removed from the transcript.

● Official Transcripts

All students must submit a FERPA form in order to request an official transcript released to a third party or postsecondary institution. Students under age 18, must have a parent/legal guardian sign the FERPA form. Please see your counselor for a FERPA form. Official transcripts must be transmitted directly from the campus to an authorized third party or postsecondary institution.

● Unofficial Transcripts

An unofficial transcript may be given directly to the student or legal parent/guardian. Students may make copies of their unofficial transcripts.

Alternative Methods for Earning High School Credits

High School Courses taken in Middle School

Some LISD middle school courses can count for high school credit. Students who transfer into LISD with earned credit for a middle school course in their previous district will receive the same credit in LISD. All grades earned for high school courses taken in middle school will appear on the high school transcript but will not count in GPA calculation.

Students who earn credit for Algebra I and/or Geometry in middle school should plan to continue with higher-level mathematics courses in grades 9-12. Credits for high school courses are awarded in half- or whole-credit units. Students may earn high school credit for a course only once.

Summer School

Lovejoy High School offers summer school courses. Students enrolled in grades 9-12 are able to take summer school courses for acceleration or credit recovery. Students taking summer school courses for acceleration may earn up to one credit per summer.

Summer school grades may not be averaged with regular school-term semester grades to earn a passing grade for the year. Summer school grades are not calculated into a student's GPA, however the course will count as one of the student's eight exclusions. Students should check with their counselor before registering for any summer school course(s).

Credit by Examination (CBE)

Students may take district-approved examinations for acceleration or credit recovery. Students must complete a Request for CBE signed by parent/guardian according to the [published district deadlines](#). Requests will be reviewed by counselors. Students may take only one semester CBE per course during each published test date. When credit is granted through examination, scores will appear on the student's transcript but will not be factored into GPA.

- **With Prior Instruction** Students who have received sufficient prior instruction in a subject may earn credit by scoring $\geq 70\%$ on a test covering the appropriate essential knowledge and skills. Credit by examination may not be used to gain eligibility for participation in extracurricular activities. To register for a credit by examination, see your counselor. Students who are interested in playing college sports should check with the NCAA about the availability of any course credit. (See [The NCAA Eligibility Center](#).)
- **Without Prior Instruction** Students who have not received sufficient prior instruction in a subject may earn credit by scoring $\geq 80\%$ on a test covering the appropriate essential knowledge and skills. LISD shall not charge for an examination for acceleration on the published dates. The student will have a maximum of two attempts.

Correspondence Courses

High school students may earn up to three credits toward graduation by taking certain correspondence courses. Prior to enrollment, a student must submit a written request to the principal or designee for approval. Without approval, graduation credit may not be awarded. Students should see their counselor for more information.

Graduation credit may be granted only under the following conditions:

- The course must be offered through UT High School, TTU K-12, or another public institution of higher education approved by the commissioner of education.
- The course includes the state-required essential knowledge and skills.

Correspondence courses are not calculated into the student's GPA, cannot be averaged with a semester of coursework taken during the regular school year, and cannot be averaged with another correspondence class. A senior who requires a correspondence course credit for graduation must complete the course by the end of

the first semester prior to graduation. Correspondence courses may not be included in determining National Collegiate Athletic Association (NCAA) eligibility. See [The NCAA Eligibility Center](#) for more information.

Courses Taken for No Credit or Retaken

On a limited basis, students who have already earned credit for a course may retake the same course. Students should make requests through their counselor. Requests will be reviewed and approved by the department chair and evaluating principal or designee. The following guidelines apply:

- All course work, attendance requirements, and exams are mandatory even though the student passed the course the first time.
- The earned grade will be recorded on the student's transcript as local credit only and will not be computed in his/her GPA or class rank. Only courses taken for the first time are computed in GPA and class rank.
- The course does count in determining eligibility for No Pass No Play purposes.

Local Credit Courses

Local Credit courses are courses offered by LHS and do not qualify as state requirements for graduation or for determining grade level classification or GPA calculation. However, local credit courses do count for No Pass No Play eligibility for extracurricular activities. The student's counselor can best assist in determining whether or not he/she should take a local credit course.

Earning College Credit in High School

Lovejoy ISD and Collin College have partnered to offer LHS students a variety of educational opportunities. For admission information, see www.collin.edu.

Dual Credit Enrollment

Qualified students may enroll simultaneously in Lovejoy High School and Collin College. Students may receive high school and college credit for designated courses. Students must be considered full time high school students and prove college readiness through college entrance exams. Students are responsible for the application and registration process. This process is time sensitive. There may be Collin College tuition and textbook fees associated with each class. Students interested in taking these courses are required to meet with their school counselor to review course options and discuss the impact these courses may have on their college degree plans. Parent approval is required.

Credit earned through dual credit counts for both college and high school credit in a core content area or an elective and fulfills high school graduation requirements. To receive high school credit, the grade in all core courses must be $\geq 70\%$. Health Science courses have specific grade requirements. If all conditions are met, credit is given for the course but is not used to determine grade point average (GPA). Transcripts will reflect the actual course grade.

Concurrent Enrollment

Qualified students may enroll simultaneously in LHS and Collin College. Students will receive college credit only for these courses. Students must be approved by the LHS principal to take concurrent courses.

Guidelines and Eligibility for Dual/Concurrent Enrollment

Students requesting dual or concurrent enrollment must do the following:

- complete a Dual/Concurrent Enrollment Permission Form
- obtain signature approval from the LHS principal prior to Collin College enrollment
- take the TSI test or provide proof of TSI exemption
- take any additional assessments required by Collin College
- register and pay tuition by posted deadline
- be in compliance with state attendance laws
- meet Collin College requirements

Advanced Courses and AP Programs

Advanced Courses

LISD believes in providing every student with opportunities to achieve their highest potential. Additionally, we believe that college and postsecondary programs are options for every student. To that end, all core academic courses (grades 6 and up) are taught at the Advanced level. While not all students will choose to continue into AP classes, everyone will have the opportunity and be appropriately prepared with the requisite knowledge and skills necessary for success in AP courses.

Advanced Placement (AP) Program - The College Board

When evaluating a high school transcript, universities place emphasis on the rigor and success of an applicant's academic studies, in addition to overall well-roundedness. Advanced Placement (AP) courses promote critical and creative thought, improve analytical skills, and enhance reasoning abilities-- all of which can lead to success in college. AP courses provide college-level studies in an enriched high school environment. Students take an AP exam in May. Some courses require a portfolio submission or performance tasks as part of the AP exam score.

AP courses are open to all students. Any student who has successfully completed the course prerequisites and accepts the increased responsibilities may enroll in an AP class. As with all college level courses, students should plan for extensive work outside of class, including reading, writing, projects/products, and studying.

Before registering for AP courses, students should:

- Be sure they are willing to commit the time necessary to be successful in an AP course.
- Consider their current course load, extracurricular activities, and other commitments when deciding how many AP courses to take.
- Discuss their readiness for AP courses with their current teachers or counselor.
- Be prepared to register and pay for required AP exams.

AP students identify big ideas and themes across disciplines. AP courses are designed as college level courses. Therefore, students may discuss current events, controversial topics, and mature themes. Students address these issues from an academic perspective and may be asked to view topics from someone else's perspective or speak to the unpopular opinion.

From time to time, students conduct research that may lead to content intended for college students and adults. AP students must be willing to engage with the materials and participate in academic discussions around and including these themes/topics.

AP Exams. AP exams measure depth of knowledge, critical thinking, and synthesis of ideas. They are graded on a five-point scale. Most colleges and universities award credit based on a student's AP examination scores. Score requirements and number of credit hours or placement credit awards vary among universities and colleges. All LISD AP students are required to pay for and take AP exams. Some AP courses (i.e. Seminar and Research) may incur additional fees. Students who receive free or reduced price lunch may qualify for fee waivers. See your counselor for more information.

AP Drop Policy. When students sign up for the upcoming year's classes in the spring and summer, LHS Administration uses these numbers to create the appropriate number of classes and align teachers' schedules to meet these requests. To maintain a viable schedule and to promote perseverance and resilience in students, we have put in place a process for dropping an AP course.

AP Course Changes	
Last Day to Make Course Changes	April 11, 2025
Last Day to Drop AP Classes	July 25, 2025

After the July 25, 2025 drop deadline, the next opportunity to drop an AP course will be during a one week window which will begin after the 3rd week of school. Drop requests may be made if there is a corresponding course of the same subject and at the same grade level that the student has not yet taken, and the corresponding grade-level, subject-equivalent course is available in the schedule. For example, the equivalent course for AP World History is Advanced World History. For AP courses where there is no corresponding course of the same subject (or students have already received credit for the corresponding course), students will be able to change their schedule at the end of the semester and not before.

Students must meet with their counselor to review their academic plan before dropping an AP course. Students dropping an AP course will be moved to the corresponding advanced course, unless they have already received credit for it. In cases where there is not a corresponding course of the same subject, students may not drop until the end of the semester.

The following AP courses are not eligible to be dropped until the end of the first semester.

AP Art History	AP Calculus AB	AP Seminar	AP European History	AP 2D Art and Design
AP Drawing	AP Psychology	AP Biology	AP Computer Science	AP 3D Art and Design
AP Research	AP Spanish Language	AP Chemistry	AP Music Theory	
AP Spanish Literature	AP Physics C: E&M	AP Physics 2	AP Environmental Science	

The College Board requires all exam orders to be placed by November 14. Students who choose to drop at the semester will be responsible for an unused AP Exam Fee.

Career and Technical Education

The mission of Career and Technical Education is to prepare students to succeed in high demand occupations within the competitive global economy and to provide students with the academic skills necessary to continue their education in post-secondary schools. Career and Technical Education can help students explore their potential and establish future career goals. Students can use the CTE Programs of Study to choose courses that interest them and do not need to take every course listed under each grade level as there are many options within each program.

Lovejoy High School offers the following Career and Technical Education (CTE) Career Clusters, which will have associated Programs of Study:

- Arts, Audio/Video Technology, and Communications
- Business, Marketing, and Finance
- Education and Training
- Engineering
- Health Science
- Information Technology
- Manufacturing
- Transportation, Distribution, and Logistics

Gifted and Talented

Gifted/Talented (G/T) classes are designed to meet the social, emotional, and academic needs of high ability learners. Teachers modify the depth, complexity, and pacing of the instruction normally provided by the school district. Emphasis is placed on depth and complexity, self-directed learning, thinking, research, and communication. Students participating in G/T services develop innovative products and advanced performances. Math courses are accelerated by one year.

For information about G/T services and referrals, please visit the [G/T portion of the LISD website](#).

Transfer of G/T Services

Parents should notify LISD at the time of enrollment if their student received services in their previous district. Records from the transferring district will be reviewed within one month of registration and will be considered for LISD G/T services. Assessment in LISD may not be necessary if the records from the previous district provide results that meet LISD criteria. The assessments must be comparable nationally-norm referenced assessments administered in the last 24 months.

Special Services

Individualized instruction is always available for any student who needs additional support to ensure success.

- **Special Education//Dyslexia Support**

Students identified as needing special education, or dyslexia services have access to a variety of special programs, including life skills, resource math and language arts, inclusion support in regular classes, and dyslexia support. Students are placed in appropriate courses as specified by their ARD, LPAC, or committees.

- **English as a Second Language (ESL)**

A lack of English language skills will not be a barrier to admission/participation in any LISD educational or career and technical program. ESL classes are available at all levels. Students are individually matched to an appropriate level of instruction.

- **Special Education Graduation Requirements**

Graduation requirements for each Special Education student are established by his/her ARD Committee in accordance with Texas Education Agency (TEA) policies. Students will develop graduation plans with their counselors. However, it is the responsibility of the student and his/her parent(s) to track the credits s/he has earned and what is needed to meet graduation requirements.



Reading Language Arts Courses

At Lovejoy High School, the English courses follow the Texas Essential Knowledge and Skills as outlined by the Texas Education Agency. Each LHS student must complete four years of English courses for graduation, regardless of course choice or student acceleration. Students must fulfill the required prerequisite(s) before enrollment in a course. Prior approval of the principal is required before enrolling in an accelerated/advanced course via summer school or correspondence.

English I Advanced	1.0 credit Tier 2	Course #1100 03220100
<p>English I Advanced includes various genres of world and American literature, with discussion emphasizing the effects of literary devices. Other texts may include religious literature, with students analyzing its impact on history and literature. Reading and writing skills taught in English I Advanced are integrated and recursive in nature to ensure that students are future-ready. Composition emphasizes the writing process and effective written communication (organization and progression of ideas, development of ideas, and use of language and conventions). Students will have daily opportunities to listen, speak, read, write, and think. This will include choice in their reading as well as options for authentic writing.</p> <p><i>Prerequisites: None</i></p>		
English I Advanced G/T	1.0 credit Tier 2	Course #1160 03220100
<p>English I Advanced G/T meets all goals of English I Advanced, with specifically chosen texts, compacted content, and increased pace, depth, and complexity appropriate for G/T students' unique social and emotional needs in an environment that supports life-long learning. Students are challenged to recognize and appreciate their individual perspectives when reflecting upon their reading and writing. Students will have daily opportunities to listen, speak, read, write, and think. This will include choice in their reading as well as options for authentic writing.</p> <p><i>Prerequisites: Identified G/T</i></p>		

English II Advanced	1.0 credit Tier 2	Course #1200 03220200
<p>English II Advanced builds on the foundation of English I Advanced, emphasizing critical thinking and writing skills, especially persuasive and informational writing, to create fluid, effective oral and written communication. Literature includes various genres of world and American literature. Other texts may include religious literature, with students analyzing its impact on history and literature. Reading and writing skills taught in English I Advanced are integrated and recursive in nature to ensure that students are future-ready. Students respond verbally and in writing while analyzing literary, informational, and argumentative texts to determine author's purpose and argument. Written composition emphasizes organization and progression of ideas, development of ideas, and use of language and conventions. Students will have daily opportunities to listen, speak, read, write, and think. This will include choice in their reading as well as options for authentic writing.</p>		
<p><i>Prerequisites: English I or English I Advanced</i></p>		
English II Advanced G/T	1.0 credit Tier 2	Course #1260 03220200
<p>English II Advanced G/T prepares students for advanced study in reading and writing. Students refine/master previously learned knowledge and skills in increasingly complex presentations, reading selections, and written compositions. Student skills will continue to read and think critically in a variety of classic and contemporary selections and informational texts. Students select and use different forms of writing for specific purposes such as argument, response to literature, literary analysis, informational, personal, and research. English II Advanced G/T teaches the same content as English II Advanced but in a condensed format with added depth and complexity.</p>		
<p><i>Prerequisites: Identified G/T, English I or English I Advanced</i></p>		
English III Advanced	1.0 credit Tier 2	Course #1300 03220300
<p>English III Advanced prepares students for advanced study in reading and writing. Students refine/master previously learned knowledge and skills in increasingly complex presentations, reading selections, and written compositions. Student skills will continue to read and think critically in a variety of classic and contemporary selections and informational texts. Students select and use different forms of writing for specific purposes such as synthesis, informational, correspondence, argument, literary, and analysis.</p>		
<p><i>Prerequisites: English II or English II Advanced</i></p>		
English IV Advanced	1.0 credit Tier 2	Course #1400 03220400
<p>English IV Advanced includes representative writers, social thought, and genres of the major periods of British, American, and world literature. Students read a variety of classic and contemporary literary informational, argumentative, and satirical texts. Other content includes research, writing instruction, and vocabulary with a focus on reading and writing real-world informational texts. Reading and writing skills taught in English 1 Advanced are integrated and recursive in nature to ensure that students are future-ready. Students will have daily opportunities to listen, speak, read, write, and think. This will include choice in their reading as well as options for authentic writing.</p>		
<p><i>Prerequisites: English III or English III Advanced</i></p>		

AP English Language and Composition	1.0 credit Tier 1	Course #1350 A3220100
<p>AP English Language and Composition is a rigorous, writing-intensive class, equivalent to the first year of college Composition/Rhetoric. It includes a challenging workload of reading and writing assignments completed outside of class. Students move from being simple receivers of communication to becoming critical perceivers, responders, and producers of written, verbal, and visual communication. They become skilled readers of prose written in a variety of disciplines and rhetorical contexts, with a focus on analyzing texts to determine the author's purpose and argument. They become accomplished writers who compose for a variety of purposes, and who explore concepts, including current events, through discussion, analytical thought, and verbal and written expression in a variety of forms (e.g. expository, analytical, and argumentative). Through these multiple avenues, students prepare for the AP English Language and Composition exam, as well as for the analytical process adaptable to all college academic disciplines. Students will have daily opportunities to listen, speak, read, write, and think. This will include choice in their reading as well as options for authentic writing. This course is designed to prepare students for the AP exam and requires 2-4 hours per week of preparation time. Students are responsible for the cost of the exam.</p>		
<p><i>Cost: Student fee associated with this course.</i> <i>Prerequisites: English II or English II Advanced</i></p>		
AP English Language and Composition G/T	1.0 credit Tier 1	Course #1360 A3220100
<p>AP English Language and Composition G/T meets all goals of AP English Language and Composition. In addition, students analyze the relationship between U.S. historical periods and corresponding literature and non-fiction, emphasizing rhetorical analysis of political speeches and historical documents. Composition requires students to create their own sound analysis and cogent arguments. Students become "citizens of the world" and draw on their own background knowledge of all content areas to support their unique perspective. This class includes a challenging workload of reading and writing assignments, emphasizing writing in response to a text. Students will have daily opportunities to listen, speak, read, write, and think. This will include choice in their reading as well as options for authentic writing. This course is designed to prepare students for the AP exam and will require 2-4 hours per week of preparation time. Students are responsible for the cost of the exam.</p>		
<p><i>Cost: AP exam fee</i> <i>Prerequisites: Identified G/T, English II or English II Advanced</i></p>		
AP English Literature and Composition	1.0 credit Tier 1	Course #1450 A3220200
<p>AP English Literature and Composition includes extensive study of literary terminology, writing instruction, and a careful reading and critical analysis of classic and contemporary literature. Students study representative works from various genres and periods focusing on a work's structure, style, and theme. Students should expect a challenging workload. Students will have daily opportunities to listen, speak, read, write, and think. This will include choice in their reading as well as options for authentic writing. This course is designed to prepare students for the AP exam and will require 2-4 hours per week of preparation time. Students are responsible for the cost of the exam.</p>		
<p><i>Cost: AP exam fee</i> <i>Prerequisites: English III or English III Advanced</i></p>		

AP English Literature and Composition G/T	1.0 credit Tier 1	Course #1460 A3220200
<p>AP English Literature and Composition G/T builds students' repertoires of literary works and refines their abilities to read critically, think analytically, and write effectively about literature. This class emphasizes subjects such as fine arts, world literature and culture, as well as the relationship between historical eras and their literature. Students should expect a challenging workload. Students will have daily opportunities to listen, speak, read, write, and think. This will include choice in their reading as well as options for authentic writing. This course is designed to prepare students for the AP exam and will require 2-4 hours per week of preparation time. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: Identified G/T, English III or English III Advanced</i></p>		
Dual Credit Composition I (ENGL 1301)	0.5 credit LHS	3.0 credit CC
<p>Dual Credit Composition I is a college English course. This course is an intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis.</p> <p><i>Prerequisites: English II or English II Advanced (for Dual Credit English III), or English III or English III Advanced (for Dual Credit English IV), principal designee approval, and eligibility according to Collin College Admissions Policy</i></p> <p>Dual Credit English III (fall) Course #1340A 03220300 Dual Credit English IV (fall) Course #1440A 03220400</p>		
Dual Credit Composition II (ENGL 1302)	0.5 credit LHS	3.0 credit CC
<p>Dual Credit Composition II is a college English course. This course is an intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions. Lab required.</p> <p><i>Prerequisites: Dual Credit English Composition I, principal designee approval, and eligibility according to Collin College Admissions Policy</i></p> <p>Dual Credit English III (spring) Course #1340B 03220300 Dual Credit English IV (spring) Course #1440B 03220400</p>		
Dual Credit American Literature I (ENGL 2327)	0.5 credit LHS 3.0 credit CC	Course #1441A 03220400
<p>Dual Credit American Literature I is a college English course. The course is a survey of American literature from the period of exploration and settlement through the Civil War. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors for what is revealed about the evolving American experience and character.</p> <p><i>Prerequisites: Dual Credit English IV Composition II, principal designee approval, and eligibility according to Collin College Admissions Policy</i></p>		

Dual Credit American Literature II (ENGL 2328)	0.5 credit LHS 3.0 credit CC	Course #1441B 03220400
<p>Dual Credit American Literature II is a college English Course. The course is a survey of American literature from the Civil War to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character.</p> <p><i>Prerequisites: Dual Credit English American Literature I, principal designee approval, and eligibility according to Collin College Admissions Policy</i></p>		
Dual Credit Technical and Business Writing (ENGL 2311)	0.5 credit LHS 3.0 credit CC	Course #1442 03220400
<p>Dual Credit Technical and Business Writing is a college English course. This course is an intensive study of and practice in professional settings. Focus on the types of documents necessary to make decisions and take action on the job, such as proposals, reports, instructions, policies and procedures, e-mail messages, letters, and descriptions of products and services. Practice individual and collaborative processes involved in the creation of ethical and efficient documents.</p> <p><i>Prerequisites: Dual Credit Composition I, principal designee approval, and eligibility according to Collin College Admissions Policy</i></p>		

Mathematics Courses

At Lovejoy High School, mathematics courses follow the Texas Essential Knowledge and Skills as outlined by the Texas Education Agency. Each LHS student must complete four years of mathematics courses for graduation, regardless of course choice or student acceleration. Students must fulfill the required prerequisite(s) before enrollment in a course. Prior approval of the principal is required before enrolling in an accelerated/advanced course via summer school or correspondence.

Algebra I Advanced	1.0 credit Tier 2	Course #2100 03100500
<p>Algebra I Advanced builds on the basic mathematical understandings developed in grades K-8, focusing on linear and quadratic functions, and introducing/exploring some nonlinear functions. Students use symbols to study various relationships among quantities, particularly those with a systematic dependence of one quantity on another. Situations are provided in which such functional relationships may be established and equations are written and solved.</p> <p><i>Prerequisites: Pre-Algebra</i></p>		
Geometry Advanced	1.0 credit Tier 2	Course #2200 03100700
<p>Geometry Advanced is the study of two-dimensional and three-dimensional geometric figures. Students will develop spatial reasoning as they apply the properties and relationships of geometric figures to real-world situations. Students will use algebraic skills to solve geometric problems. Primary topics include logic and reasoning, Trigonometry, and the study of planar and solid figures, including multi-step problem solving with a strong emphasis on justifications and proofs.</p> <p><i>Prerequisites: Algebra I or Algebra I Advanced</i></p>		

Algebraic Reasoning Advanced	1.0 credit Tier 2	Course #2025 03102540
<p>Students will build on the knowledge and skills for mathematics by continuing with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for students in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build workforce and college readiness. This course does not meet the NCAA requirement for core courses.</p> <p><i>Prerequisites: Algebra I or Algebra I Advanced, Geometry or Geometry Advanced</i></p>		
Algebra II Advanced	1.0 credit Tier 2	Course #2300 03100600
<p>Algebra II Advanced is a rigorous course in which students build on the mathematics knowledge and skills they have acquired from elementary classes through Algebra I and Geometry. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will also study logarithmic, square root, cubic, cube root, absolute value and rational functions, and their related equations. Students will connect functions to their inverses and associated equations, graphs and tables and apply them to real world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods. Students may enroll in Geometry and Algebra II concurrently with prior approval by the campus principal.</p> <p><i>Prerequisites: Algebra I or Algebra I Advanced, Geometry or Geometry Advanced</i></p>		
Algebra II Advanced G/T	1.0 credit Tier 2	Course #2360 03100600
<p>Algebra II Advanced G/T meets all course goals of Algebra II Advanced with increased depth and complexity appropriate for G/T student needs. Students in Algebra II Advanced G/T classes are graded on the same standard as students in the Algebra II Advanced course. Students may enroll in Geometry and Algebra II concurrently with prior approval by the campus principal.</p> <p><i>Prerequisites: Identified G/T, Algebra I or Algebra I Advanced, Geometry or Geometry Advanced</i></p>		
Advanced Quantitative Reasoning	1.0 credit Tier 2	Course #2755 03102510
<p>Students will develop and apply skills necessary for college, careers, and life. Course content consists primarily of applications of high school mathematics concepts to prepare students to become well-educated and highly informed 21st-century citizens. Students will develop and apply reasoning, planning, and communication to make decisions and solve problems in applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and modeling with algebra, geometry, trigonometry, and discrete mathematics. Open to seniors only.</p> <p><i>Prerequisites: Geometry or Geometry Advanced, Algebra II or Algebra II Advanced</i></p>		

Precalculus Advanced	1.0 credit Tier 2	Course #2400 03101100
<p>Advanced Precalculus is an advanced study of functions (including polynomial, exponential, logarithmic, and trigonometric) from an analytical, graphical, and tabular viewpoint. Students learn foundations for solving problems using all these various functions; investigate physics-based problems using parametric equations and vectors; and analyze problem situations by graphical and tabular means.</p> <p><i>Prerequisites: Geometry or Geometry Advanced, Algebra II or Algebra II Advanced</i></p>		
Statistics Advanced	1.0 credit Tier 2	Course #2049 03102530
<p>Students will broaden their understanding 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. This course is open to seniors only.</p> <p><i>Prerequisites: Algebra II or Algebra II Advanced</i></p>		
College Preparatory Math	1.0 credit Tier 3	Course #2757 CP111200
<p>College Preparatory Mathematics targets knowledge and skills that will be necessary to be successful in college mathematics courses. Learning outcomes and objectives occur in the following areas: Elementary Algebra and Functions, Intermediate Algebra and Functions, Geometry and Measurement, Data Analysis, Statistics, and Probability. Students will not be able to select this course during course selection. Instead, students will be placed in this course based on results of college readiness assessments. This course does not meet the NCAA requirement for core courses.</p> <p><i>Prerequisites: Geometry or Geometry Advanced, Algebra II or Algebra II Advanced</i></p>		
AP Precalculus	1.0 credit Tier 1	Course #2404 A3100100
<p>In AP Precalculus, students explore a variety of function types and their applications—polynomial, rational, exponential, logarithmic, trigonometric, polar, parametric, vector-valued, implicitly defined, and linear transformation functions using matrices. Throughout the course, the mathematical practices of procedural and symbolic fluency, multiple representations, and communication and reasoning are developed. Students experience the concepts and skills related to each function type through the lenses of modeling and covariation and engage each function type through their graphical, numerical, analytical, and verbal representations. This course is designed to prepare students for the AP exam and will require 2-4 hours per week of preparation time. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i></p> <p><i>Prerequisites: Geometry or Geometry Advanced, Algebra II or Algebra II Advanced</i></p>		

AP Precalculus G/T	1.0 credit Tier 1	Course #2405 A3100100
<p>AP Precalculus G/T meets all course goals of AP Precalculus with increased depth and complexity appropriate to meet the needs of the G/T student. Students in AP Precalculus G/T courses are graded on the same standard as students in the AP Precalculus course. This course is designed to prepare students for the AP exam and will require 2-4 hours per week of preparation time. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: Identified G/T, Geometry or Geometry Advanced, Algebra II or Algebra II Advanced</i></p>		
AP Calculus AB	1.0 credit Tier 1	Course #2550 A3100101
<p>AP Calculus AB covers advanced mathematical topics, including elementary differential and integral calculus. This course is approximately equivalent to a one- semester college level Calculus course. Curriculum taught in this course is determined by the College Board. This course is designed to prepare students for the AP exam and will require 2-4 hours per week of preparation time. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: Precalculus or Precalculus Advanced, AP Precalculus</i></p>		
AP Calculus BC	1.0 credit Tier 1	Course #2555 A3100102
<p>AP Calculus BC covers advanced mathematical topics including elementary differential and integral calculus and their applications with polar, parametric and vector functions. Additionally, applications of integral functions, logistic models, polynomial approximations, and advanced sequences and series will be studied. AP Calculus BC is approximately equivalent to a two-semester calculus course at the college level. This course is designed to prepare students for the AP exam and will require 4-6 hours per week of preparation time. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: Precalculus or Precalculus Advanced, AP Precalculus</i></p>		
AP Statistics	1.0 credit Tier 1	Course #2050 A3100200
<p>AP Statistics is approximately equivalent to a one-semester college statistics course. It introduces students to the major concepts/tools for collecting, analyzing, and drawing conclusions from data, and explores the four conceptual themes: exploring data, planning a study, anticipating patterns, and statistical inference. This course prepares students for the AP exam and requires 2-4 hours per week of preparation time. It may be taken concurrently with AP Calculus, with counselor approval. This course is designed to prepare students for the AP exam and will require 2-4 hours per week of preparation time. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: Algebra II or Algebra II Advanced, Precalculus or Precalculus Advanced</i></p>		

Dual Credit College Algebra (MATH 1314)	0.5 credit LHS 3.0 credit CC	Course #2020 03102501
<p>This course provides an in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations. Additional topics may include sequences, series, probability, and conics. Graphing calculator required. Students must meet TSI college-readiness standards for mathematics or provide an equivalent demonstration of college-readiness in mathematics.</p> <p><i>Prerequisites: Principal designee approval and eligibility according to Collin College Admissions Policy</i></p>		
Dual Credit Elementary Statistical Methods (MATH 1342)	0.5 credit LHS 3.0 credit CC	Course #2018 03102500
<p>This course includes collection, analysis, presentation and interpretation of data and probability. This analysis includes descriptive statistics, correlation and regression, confidence intervals, and hypothesis testing. The use of appropriate technology is recommended. Graphing calculator required. The student must meet TSI college-readiness standards for mathematics or provide an equivalent demonstration of college-readiness in mathematics.</p> <p><i>Prerequisites: Principal designee approval and eligibility according to Collin College Admissions Policy</i></p>		
AP Computer Science A	1.0 credit	Tier 1
<p>AP Computer Science prepares students for the AP Computer Science A exam. It emphasizes software development and incorporates the latest labs designed by the AP College Board. It includes problem-solving techniques, programming methodology, data types, data structures, algorithms, and introduction to object-oriented programming using Java. Students who have not taken Advanced Computer Science must complete the "summer assignment" before taking the course. This course can satisfy the advanced math credit for seniors. This course prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Note: This course earns one Technology Applications credit, one math credit, and one World Language credit.</i> <i>Cost: AP exam fee</i> <i>Recommended prerequisites: Algebra I</i></p> <p>AP Computer Science A (math credit) Course#8016 A3580110 AP Computer Science A (LOTE credit) Course#8017 A3580110</p>		

Science Courses

At Lovejoy High School, the science courses follow the Texas Essential Knowledge and Skills as outlined by the Texas Education Agency. Four credits of science are required for graduation. Students must fulfill the required prerequisite(s) before enrollment in a course. Prior approval of the principal is required before enrolling in an accelerated/advanced course via summer school or correspondence.

Biology Advanced	1.0 credit Tier 2	Course #3200 03010200
<p>In Biology Advanced, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biology study a variety of topics that include: structures and functions of cells and virus; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy, metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment.</p> <p><i>Prerequisites: None</i></p>		

Biology Advanced G/T	1.0 credit Tier 2	Course #3260 03010200
<p>Biology Advanced G/T is an intense study of Biology. Students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses;; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy, metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment. Biology Advanced G/T meets all course goals of Biology Advanced. This course is compacted, with an increased pace, depth, and complexity appropriate to G/T student needs.</p> <p><i>Prerequisites: Identified G/T</i></p>		
Chemistry Advanced	1.0 credit Tier 2	Course #3300 03040000
<p>Chemistry Advanced students study the composition, structure, and changes of matter, emphasizing laboratory investigations. Students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives.</p> <p><i>Prerequisites: Biology (may be taken concurrently), Algebra I</i> <i>Recommended prerequisites: Completion of or concurrent enrollment in a second year of mathematics</i></p>		
Chemistry Advanced G/T	1.0 credit Tier 2	Course #3360 03040000
<p>Chemistry Advanced G/T studies the composition, structure, and changes of matter, emphasizing laboratory investigations. Students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives. This course is compacted, with an increased pace/depth/complexity appropriate to G/T student needs.</p> <p><i>Prerequisites: Identified G/T, Biology (may be taken concurrently), Algebra I</i> <i>Recommended prerequisites: Completion of or concurrent enrollment in a second year of mathematics</i></p>		
Physics Advanced	1.0 credit Tier 2	Course #3400 03050000
<p>In Physics Advanced students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion; changes within a physical system and conservation of energy and momentum; forces; thermodynamics; characteristics and behaviors of waves; and atomic, nuclear, and quantum physics. Students who complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical-thinking skills.</p> <p><i>Prerequisites: Biology, Algebra I (may be taken concurrently)</i></p>		

Integrated Physics and Chemistry	1.0 credit Tier 3	Course #3180 03060201
<p>In Integrated Physics and Chemistry students conduct laboratory and field investigations, use scientific practices during investigation, and make informed decisions using critical thinking and scientific problem solving. The course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter.</p> <p><i>Prerequisites: None</i> <i>Recommended prerequisites: For Grades 9 and 10</i></p>		
AP Biology	1.0 credit Tier 1	Course #3250 A3010200
<p>AP Biology is a rigorous study using discussion, scientific readings, research papers, and laboratory investigations to study the core scientific principles, theories, and processes that govern living organisms and biological systems. The course is equivalent to a first-year college biology course. It prepares students for the AP exam and requires 5-6 hrs/wk preparation time. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: Biology, Chemistry</i></p>		
AP Chemistry	1.0 credit Tier 1	Course #3350 A3040000
<p>AP Chemistry is an in-depth study of the principles introduced in Chemistry I, a study of fundamental concepts of chemistry including structure and states of matter, intermolecular forces, and reactions. AP Chemistry is equivalent to a first-year college chemistry course, and prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: Chemistry, Algebra II</i></p>		
AP Physics I	1.0 credit Tier 1	Course #3430 A3050003
<p>AP Physics I is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion) with work, energy, and power; mechanical waves and sound; and introductory, simple circuits. The course prepares students for the AP exam and requires 5-6 hours of preparation time each week. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: Geometry, Algebra II (may be taken concurrently)</i></p>		
AP Physics I G/T	1.0 credit Tier 1	Course #3432 A3050003
<p>AP Physics I G/T is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion) with work, energy, and power; mechanical waves and sound; and introductory, simple circuits. The course prepares students for the AP exam and requires 5-6 hours of preparation time each week. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: Identified G/T, Geometry, Algebra II (may be taken concurrently)</i></p>		

AP Physics II	1.0 credit Tier 1	Course #3440 A3050004
<p>AP Physics II is an algebra-based, introductory college-level physics course that explores topics such as fluids; thermodynamics; electric force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics. The course prepares students for the AP exam and requires 5-6 hours of preparation time each week. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: AP Physics I, Precalculus (may be taken concurrently)</i></p>		
AP Physics C Mechanics	1.0 credit Tier 1	Course #3475 A3050006
<p>This course ordinarily forms the first part of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. The sequence of this course is more intensive and analytic than that in the AP Physics I course. Strong emphasis is placed on solving a variety of challenging problems, some requiring Calculus. The subject matter of this course is all of the material in a typical introductory mechanics course in college. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: AP Calculus (may be taken concurrently)</i></p>		
AP Physics C Electricity and Magnetism	1.0 credit Tier 1	Course #3470 A3050005
<p>The Physics C: Electricity and Magnetism course is a calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics, conductors, capacitors, dielectrics, electric circuits, magnetic fields, and electromagnetism. Introductory differential and integral calculus is used throughout the course. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: AP Physics C: Mechanics, AP Calculus (may be taken concurrently)</i></p>		
Anatomy and Physiology Advanced	1.0 credit Tier 2	Course #3840 13020600
<p>Anatomy and Physiology is designed for students interested in biological, medical, and health-oriented programs. Students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. The student will be expected to conduct research.</p> <p><i>Prerequisites: Biology, a second science credit</i> <i>Recommended prerequisites: A course from the Health Science Career Cluster</i></p>		
Forensic Science Advanced	1.0 credit Tier 2	Course #3750 13029500
<p>Forensic science is a survey course that introduces students to the application of science to law. Students learn terminology and procedures related to the collection and examination of physical evidence using scientific processes performed in a field or laboratory setting. Students will also learn the history and the legal aspects of forensic science.</p> <p><i>Prerequisites: Biology, Chemistry</i></p>		

Engineering Science Advanced	1.0 credit Tier 2	Course #8919 13037500
<p>Engineering Science is an engineering course designed to expose students to some of the major concepts and technologies that they will encounter in a postsecondary program of study in any engineering domain. Students will have an opportunity to investigate engineering and high-tech careers. In Engineering Science, students will employ science, technology, engineering, and mathematical concepts in the solution of real-world challenge situations. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community. Students will take an end of course exam.</p> <p><i>Note: This course earns one Technology Applications credit and satisfies the high school science graduation requirement.</i></p> <p><i>Cost: Student fee associated with this course.</i></p> <p><i>Prerequisites: Algebra I, Biology, and at least one credit in a course from the STEM career cluster</i></p> <p><i>Recommended prerequisites: Geometry, Integrated Physics and Chemistry (IPC), one credit in chemistry, or one credit in physics.</i></p>		
AP Environmental Science	1.0 credit Tier 1	Course #3550 A3020000
<p>AP Environmental Science covers the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will explore and investigate the interrelationships of the natural world and analyze environmental problems, both natural and human-made. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i></p> <p><i>Prerequisites: Biology, Chemistry, Algebra I (may be taken concurrently)</i></p>		

Social Studies Courses

At Lovejoy High School, the social studies courses follow the Texas Essential Knowledge and Skills as outlined by the Texas Education Agency. Four credits of social studies are required for graduation. Students must fulfill the required prerequisite(s) before enrollment in a course. Prior approval of the principal is required before enrolling in an accelerated/advanced course via summer school or correspondence.

World Geography Advanced	1.0 credit Tier 2	Course #4100 03320100
<p>World Geography Advanced introduces the five themes of geography—location, place, region, movement, and human environment and interaction. Students analyze physical characteristics and natural resources of various regions of the earth with respect to the economics, social, and cultural impact on the environment and resources. Emphasis is placed on higher-order thinking skills and writing.</p> <p><i>Prerequisites: None</i></p>		

AP Human Geography	1.0 credit Tier 1	Course #4336 A3360100
<p>The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the 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. Students should expect a challenging workload and an increased amount of time reading outside of class. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: None</i></p>		
AP Human Geography G/T	1.0 credit Tier 1	Course #4337 A3360100
<p>The purpose of the AP Human Geography G/T course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the 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. Students should expect a challenging workload and an increased amount of time reading outside of class. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: Identified G/T</i></p>		
World History Advanced	1.0 credit Tier 2	Course #4200 03340400
<p>World History Advanced examines the story of civilization, stressing intellectual, cultural, social, political, economic and religious developments. The course is student-centered, emphasizing discussion, Socratic seminars, and student/teacher-designed projects. Assessments include authentic and performance evaluation as well as teacher-made tests. Strong reading skills are key to success in this class.</p> <p><i>Prerequisites: None</i></p>		
AP World History	1.0 credit Tier 1	Course #4250 A3370100
<p>AP World History examines the story of civilization, stressing intellectual, cultural, social, political, economic and religious developments. The course is student-centered, emphasizing discussion, Socratic seminars, and student/teacher-designed projects. Assessments include authentic and performance evaluation as well as teacher-made tests. Strong reading skills are key to success in this class. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: World Geography or AP Human Geography</i></p>		
AP World History G/T	1.0 credit Tier 1	Course #4260 A3370100
<p>AP World History G/T examines the story of civilization, stressing intellectual, cultural, social, political, economic and religious developments. The course is student-centered, emphasizing discussion, Socratic seminars, and student/teacher-designed projects. Assessments include authentic and performance evaluation as well as teacher-made tests. Strong reading skills are key to success in this class. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: Identified G/T, World Geography or AP Human Geography</i></p>		

US History Advanced	1.0 credit Tier 2	Course #4300 03340100
<p>U.S. History Advanced begins after the Reconstruction era, examining intellectual, cultural, social, political, and economic developments. The course is student-centered, emphasizing discussion, Socratic seminars, and student/teacher-designed projects. Assessments include authentic and performance evaluation as well as teacher-made tests. Strong reading skills are key to success in this class.</p>		
<p><i>Prerequisites: World Geography, World History</i></p>		
AP US History	1.0 credit Tier 1	Course #4350 A3340100
<p>In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. The student must be able to analyze and interpret data; communicate clearly and concisely, both orally and in writing; and read at the college level. Students should expect a challenging workload and an increased amount of time reading outside of class. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p>		
<p><i>Cost: AP exam fee</i></p>		
<p><i>Prerequisites: World Geography, World History</i></p>		
AP US History G/T	1.0 credit Tier 1	Course #4360 A3340100
<p>In AP U.S. History G/T, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. The student must be able to analyze and interpret data; communicate clearly and concisely, both orally and in writing; and read at the college level. Students should expect a challenging workload and an increased amount of time reading outside of class. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p>		
<p><i>Cost: AP exam fee</i></p>		
<p><i>Prerequisites: Identified G/T, World Geography, World History</i></p>		

Dual Credit US History I (HIST 1301)	0.5 credit LHS 3.0 credit CC	Course #4310 03340100
<p>Dual Credit US History I is a survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government.</p> <p><i>Prerequisites: Principal designee approval and eligibility according to Collin College Admissions Policy</i></p>		
Dual Credit US History II (HIST 1302)	0.5 credit LHS 3.0 credit CC	Course #4311 03340100
<p>Dual Credit US History II is a survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. Industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras will be examined. Themes include: American culture, civil and human rights, technological change, economic change, urbanization and suburbanization, immigration and migration, religion, the expansion of federal government, and study of U.S. foreign policy.</p> <p><i>Prerequisites: Principal designee approval and eligibility according to Collin College Admissions Policy</i></p>		
US Government Advanced	0.5 credit Tier 2	Course #4400 03330100
<p>U.S. Government is a one-semester course that introduces American government, focusing on structure and institutions (courts, presidency, bureaucracy, Congress), history, processes (elections, political participation, media interest groups), and policies. Themes of the extent of democracy and the scope of government provide a practical and worthwhile framework for analysis.</p> <p><i>Prerequisites: World Geography, World History, US History</i></p>		
AP US Government and Politics	0.5 credit Tier 1	Course #4450 A3330100
<p>AP U. S. Government and Politics provides an analytical perspective; studies general concepts used to interpret U.S. politics; analyzes specific case studies; and emphasizes familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. Topics include: Constitutional Underpinnings of the U.S. Government; Political Beliefs and Behaviors; Political Parties and Interest Groups; Institutions and Policy Processes of national government, including the legislative, the executive and the judicial branches, the bureaucracy and civil rights/civil liberties. Students must be able to analyze and interpret data; communicate clearly and concisely, orally and in writing; and read at the college level. Students should expect a challenging workload and reading outside of class. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: World Geography, World History and US History</i></p>		
Dual Credit Federal Government (GOVT 2305)	0.5 credit LHS 3.0 credit CC	Course #4440 03330100
<p>Dual Credit Federal Government introduces the origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights.</p> <p><i>Prerequisites: Principal designee approval and eligibility according to Collin College Admissions Policy</i></p>		

Economics (with Emphasis on the Free Enterprise System and Its Benefits) Advanced	0.5 credit Tier 2	Course #4500 03310300
<p>Economics with Emphasis on the Free Enterprise System and Its Benefits is the culmination of the economic content and concepts studied from Kindergarten through required secondary courses. The focus is on the basic principles concerning production, consumption, and distribution of goods and services (the problem of scarcity) in the United States and a comparison with those in other countries around the world. Students analyze the interaction of supply, demand, and price. Students will investigate the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy. Students will study the roles of the Federal Reserve System and other financial institutions, government, and businesses in a free enterprise system. Types of business ownership and market structures are discussed. The course also incorporates instruction in personal financial literacy. Students apply critical-thinking skills using economic concepts to evaluate the costs and benefits of economic issues.</p>		
<p><i>Prerequisites: World Geography, World History, and US History</i></p>		
Personal Financial Literacy and Economics	0.5 credit Tier 3	Course #4661 03380083
<p>Personal Financial Literacy and Economics emphasizes the economic way of thinking, and serves as a framework for personal financial decision-making opportunities. Students will demonstrate the ability to anticipate and address financial potential challenges which could occur over their lifetime. Students are introduced to common economic and personal financial planning terms and concepts and gain the ability to lead productive and financially self-sufficient lives. This course meets the graduation requirement for Economics. Students may not be awarded credit for both this course and Personal Financial Literacy. The course does not meet the NCAA requirements for core courses.</p>		
<p><i>Prerequisites: World Geography or World History</i> <i>Recommended prerequisites: For Grades 11 and 12</i></p>		
AP Macroeconomics	0.5 credit Tier 1	Course #4555 A3310200
<p>AP Macroeconomics teaches the principles of an economic system as a whole, particularly emphasizing: the study of national income and price determination; the structure and operation of the Federal Reserve; the role of government in economic policy; the strategies of investment; economic performance measures; economic growth; and international economics. The course incorporates and encourages critical thinking, cooperative learning, group discussions and debates, and the use of simulations and current events to reinforce macroeconomics theory. Students should expect a challenging workload and reading outside of class. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p>		
<p><i>Cost: AP exam fee</i> <i>Prerequisites: World Geography, World History, and US History</i></p>		
Dual Credit Principles of Macroeconomics (ECON 2301)	0.5 credit LHS 3.0 credit CC	Course #4540 03310300
<p>Dual Credit Economics teaches decision making in the public sector, economic analysis of inflation, unemployment, economic growth, national income measurements, money and banking, monetary and fiscal policy, competing economic theories, and international economics.</p>		
<p><i>Prerequisites: Principal designee approval and eligibility according to Collin College Admissions Policy</i></p>		

Personal Financial Literacy	0.5 credit Tier 3	Course #4660 03380082
<p>This one semester course is designed to help develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lives and understand personal financial responsibility. Knowledge gained in this course will have far-reaching effects for students personally and the economy. Students may not be awarded credit for both this course and Personal Financial Literacy and Economics course. The course does not meet the NCAA requirements for core courses.</p> <p><i>Prerequisites: None</i></p>		
Psychology Advanced	0.5 credit Tier 2	Course #4620 03350100
<p>This semester course introduces the systematic and scientific study of the human mind and behavior. The course is a prerequisite to AP Psychology, and covers approximately half of the AP curriculum. Topics include: history and approaches, research methods, social psychology, biological basis of behavior, learning and motivation. Students should expect a challenging workload and reading outside of class.</p> <p><i>Note: This course will require the purchase of a supplemental review text.</i></p> <p><i>Prerequisites: None</i></p>		
AP Psychology	0.5 credit Tier 1	Course #4650 A3350100
<p>AP Psychology introduces the systematic and scientific study of the human mind and behavior. Emphasis will be placed on research into human behavior and its applications in students' lives. Topics taught include: language, memory, developmental psychology, theories of personality, intelligence, psychological disorders and psychological treatment. Students should expect a challenging workload and reading outside of class. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam and purchase of a supplemental review text</i></p> <p><i>Prerequisite: Psychology or Psychology Advanced</i></p>		

Elective Course Descriptions



World Language Courses

World Language Placement

Credit may be given to a student for a language course if the student successfully completes the second or higher-level World Language, and may also be awarded credit for the lower-level course(s). This is only available within the World Language subject area because the course levels are based on increasing proficiency, and the knowledge and skills of the lower-level course(s) are subsumed within each upper level course. See your counselor to receive additional information.

Spanish I Advanced	1.0 credit Tier 2	Course #6110 03440100
<p>Spanish I Advanced introduces the Spanish language and the vast, diverse culture of the Spanish-speaking world to novice students with little or no previous knowledge. Students gain: a novice ability to understand, speak, read, and write Spanish; insight and knowledge of basic linguistic structure; realistic recognition/usage of current idiomatic expressions. Language imitation, learning, role-playing, and interaction provide a foundation towards future creative production of the language, in authentic settings of guided group cooperative learning. At least 80% of the instruction is presented in Spanish.</p> <p><i>Prerequisites: None</i></p>		
Spanish II Advanced	1.0 credit Tier 2	Course #6120 03440200
<p>Spanish II Advanced is an intermediate course that increases speaking, reading, and writing skills in Spanish for students who have passed Spanish I and have novice abilities. More complex language structures are introduced to increase conversational, reading, and writing abilities. Students gain a deeper awareness/sensitivity to values/cultures of Spain, Central/South America, and the Caribbean. Students communicate in Spanish and authentic group/cooperative settings via language imitation, role-playing, teacher/student interaction, as well as individual linguistic creation to express ideas, opinions and concepts. At least 90% of instruction is presented in Spanish.</p> <p><i>Prerequisite: Spanish I or Spanish I Advanced</i></p>		

Spanish III Advanced	1.0 credit Tier 2	Course #6130 03440300
<p>Spanish III Advanced continues developing Spanish listening, speaking, reading, and writing skills, and moving students to intermediate levels of the ACTFL proficiency scale. Communication will acquire more depth as students exchange, discuss, and defend their opinions, make plans, and express themselves with more complexity. Students communicate in Spanish whenever possible, using past, present, and future tenses, and begin to prepare AP Spanish skills via oral and written presentations. At least 90% of the course instruction is presented in Spanish.</p> <p><i>Prerequisite: Spanish II or Spanish II Advanced</i></p>		
AP Spanish Language	1.0 credit Tier 1	Course #6145 A3440100
<p>AP Spanish Language is an advanced course which develops proficiency in all four language skills and moves students from an intermediate to an intermediate-high or advanced level on the ACTFL scale. AP Spanish Language and Culture is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying their skills in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges. All instruction is presented in Spanish. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisite: Spanish III or Spanish III Advanced</i></p>		
AP Spanish Literature	1.0 credit Tier 1	Course #6155 A3440200
<p>AP Spanish Literature is an advanced language course with instruction for students who have passed AP Spanish Language, emphasizing literary analysis, academic writing, and advanced language development. The course is conducted entirely in Spanish at an intermediate-high to advanced-high level on the ACTFL scale. The course approximates a third-year college introduction to Hispanic literature, introducing students to its rich and diverse cultural heritage, teaching them to reflect on its many voices and cultures, and examining its influences on art and literature. Contextual readings in Spanish provide students with the socio-cultural background necessary to understand each work of literature. Reflection questions will go beyond factual recall, requiring students to engage in deep analytical thinking. All instruction is presented in Spanish. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisite: AP Spanish Language</i></p>		
French I Advanced	1.0 credit Tier 2	Course #6310 03410100
<p>The French I Advanced course is an introduction to French language and Francophone culture for students with little or no previous background, emphasizing development of listening comprehension, speaking, reading and writing. Students learn essentials of French grammar, and begin to read and write short passages and have basic conversations in French. Vocabulary includes general-interest subjects (family, home, school, food, shopping, leisure time, etc.) presented with a cultural focus that opens students' minds to the French-speaking world and makes comparisons to their own culture/language. By the end of the year, students attain high basic proficiency. At least 80% of instruction is presented in the French language.</p> <p><i>Prerequisites: None</i></p>		

French II Advanced	1.0 credit Tier 2	Course #6320 03410200
<p>French II Advanced is an intermediate course that continues to develop speaking, reading, writing, and listening skills. More advanced grammar and vocabulary help facilitate effective communication through brief conversations and short written passages. Analytical and inference skills through text and graphic analysis are further developed. Themes include childhood and other past events, school, food, work, volunteerism, community, and travel. Students will be exposed to authentic media as much as possible and at least 90% of instruction is presented in French.</p> <p><i>Prerequisite: French I or French I Advanced</i></p>		
French III Advanced	1.0 credit Tier 2	Course #6330 03410300
<p>French III Advanced continues the development of listening, speaking, reading, and writing skills. Its goal is to teach all French grammar concepts, enrich language fluency through authentic French materials, and prepare students for AP French Language. In preparation for the AP French Language exam, this course focuses on Francophone culture, society, arts, and global affairs; students discuss these areas and communicate in French whenever possible. At least 90% of instruction is presented in French.</p> <p><i>Prerequisite: French II or French II Advanced</i></p>		
AP French Language	1.0 credit Tier 1	Course #6345 A3410100
<p>AP French Language develops proficiency and fluency in all four language skills—listening, speaking, reading, and writing—for students who have learned all key grammar concepts and have a wide vocabulary, so that they can clearly communicate and understand French. Focus is on improving fluency through vocabulary enrichment, including colloquialisms and regional Francophone differences. Through intense exposure to authentic French, students attain a level of high intermediate proficiency by the end of the year. Objectives include: using French for active communication; comprehension of formal and informal spoken French; vocabulary growth; structural knowledge that allows easy, accurate reading of newspapers and magazine articles and modern French literature; ability to compose expository passages and to express ideas orally with accuracy and fluency. Course content reflects that of the new AP test, focusing on the arts, history, current events, literature, culture, sports, business and global affairs, etc. Students prepare for the AP French Language exam in May. A score 3 or higher may receive college credit. At least 95% of instruction is presented in French. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisite: French III or French III Advanced</i></p>		
American Sign Language II Advanced	1.0 credit Tier 2	Course #6421 03980200
<p>American Sign Language II Advanced strengthens receptive, expressive, and interactive communication skills. Students transcribe ASL into English gloss, and converse while striving for accuracy of expression. All instruction will be in ASL with some voice interpretation provided. Students will be expected to converse only in ASL multiple times each semester.</p> <p><i>Prerequisite: American Sign Language I or American Sign Language I Advanced</i></p>		

American Sign Language III Advanced	1.0 credit Tier 2	Course #6435 03980300
<p>American Sign Language III Advanced is taught predominately in ASL. Students engage in ASL dialogue daily with peers, teachers, and guests, participate in ASL storytelling, poetry, and interpreting; and study Deaf culture more intensively while developing communication skills. All instruction and classroom communication will take place in ASL.</p> <p><i>Prerequisites: American Sign Language II or American Sign Language II Advanced</i></p>		
American Sign Language IV Advanced	1.0 credit Tier 2	Course #6441 03980400
<p>American Sign Language IV Advanced develops ASL proficiency focusing on translation, interpretation, and active communication—for students who have had substantial ASL coursework, have a basic knowledge of Deaf culture, and have reasonable proficiency in ASL reception and expression. Student objectives include: comprehension of formal and informal ASL; vocabulary growth; a grasp of various grammatical structures to aid in understanding ASL oral literature; and the ability to express ideas with accuracy/fluency. Course content encompasses the arts, history, current events, literature, culture, sports, etc. Many ASL programs offer credit-by-examination; an ASL IV student could be able to pass college level ASL I and II.</p> <p><i>Note: Students should consult prospective college or university admissions to learn if ASL meets world language requirements.</i></p> <p><i>Prerequisites: American Sign Language III or American Sign Language III Advanced</i></p>		
Chinese I Advanced	1.0 credit Tier 2	Course #6200 03490100
<p>This course is an introductory course in Mandarin Chinese, designed for students who have no prior exposure to the Chinese language. The emphasis of this course will focus on the four skills: listening, speaking, reading, and writing using both the Pinyin phonetic system and simplified Chinese characters. The course will help students to build real-life communicative skills and explore the culture as they discuss everyday topics. About 70% of instruction is presented in Chinese. Chinese I Advanced is offered virtually through synchronous instruction over live-streaming software.</p> <p><i>Prerequisite: None</i></p>		
Chinese II Advanced	1.0 credit Tier 2	Course #6220 03490200
<p>Chinese II Advanced continues to teach comprehension, expand spoken and written vocabulary on various topics, and develop speaking and listening, reading, and writing skills. This course gradually changes the focus from colloquial conversation to authentic text and multimedia interpretation. Up to 85% of instruction is presented in Chinese. Chinese II Advanced is offered virtually through synchronous instruction over live-streaming software.</p> <p><i>Prerequisite: Chinese I or Chinese I Advanced</i></p>		

Chinese III Advanced	1.0 credit Tier 2	Course #6230 03490300
<p>Chinese III Advanced introduces students to more sophisticated Chinese grammar and vocabulary. Students develop language skills necessary for oral and written activities; develop analytical and abstract thinking skills; read a variety of authentic materials to broaden their Chinese vocabulary; and begin to prepare for the AP Chinese exam via oral, written and intra- and inter-personal presentations. Students will interview and communicate with Taiwanese students to gain different perspectives from the eastern world. At least 90% of instruction is presented in Chinese. Chinese III Advanced is offered virtually through synchronous instruction over live-streaming software.</p> <p><i>Prerequisite: Chinese II or Chinese II Advanced</i></p>		

Communications Courses

Professional Communications	0.5 credit Tier 3	Course #1774 13009900
<p>Professional Communications investigates aspects of communication, including: interpersonal communication, business communication, intra-cultural communication, group dynamics, and leadership and presentation styles. This course is required for graduation and is strongly encouraged to be taken freshman year.</p> <p><i>Note: This course will satisfy the Speech graduation requirement.</i> <i>Prerequisites: None</i></p>		
Debate I	1.0 credit Tier 3	Course #1721 03240600
<p>Students will analyze a specific topic question, research to find evidence, and develop both affirmative and negative case positions. They will gain a general understanding of the major forms of debate, including Congressional Debate and Policy Debate. Students will study logic and reasoning and learn to prepare and present debates, oratories, and extemporaneous speeches, learn the basics of research, debate, organization, analysis, and argumentation, and conduct research, discover issues, and formulate propositions. Students will read, prepare, and analyze various forms of speeches. Participation in at least two Speech and Debate Tournaments is a requirement of the course. Competitions are held on Friday evenings and all day Saturday.</p> <p><i>Note: Students will earn 0.5 credit in Debate I and 0.5 credit in Speech which meets the graduation requirement.</i> <i>Cost: Student fee associated with this course.</i> <i>Prerequisites: None</i></p>		
Debate II	1.0 credit Tier 3	Course #1722 03240700
<p>Debate II is designed for students who wish to compete in speech and debate forensic tournaments in both individual and debate events. Debate II builds on the fundamentals the student learned in Debate I and continues to develop speech and debate skills to a higher level. The focus is advanced debate theory and practice, refining the skills in analysis, research, organization, synthesis, evaluation, and speaking. The course requires application of public speaking and debate skills to competitive situations. Students involved in competitions may be required to work after school to prepare. Participation in at least five Speech and Debate tournaments is a requirement of the course. Competitions are held on weekends.</p> <p><i>Cost: Student fee associated with this course.</i> <i>Prerequisites: Debate I and instructor recommendation</i></p>		

Debate III	1.0 credit Tier 3	Course #1723 03240800
<p>Debate III is designed for students who wish to compete in speech and debate forensic tournaments in both individual and debate events. Debate II builds on the fundamentals the student learned in Debate I and continues to develop speech and debate skills to a higher level, preparing the student for life after high school. Advanced debate theory and practice is the focus of the course, refining the student's skills in analysis, research, organization, synthesis, evaluation, and speaking. Students will focus on advanced public speaking, argumentation and debate as well as participation in Speech and Debate Tournaments. The course will require application of public speaking, and debate skills to competitive situations. Debate III students will also have the opportunity to coach other students in their craft, assisting in preparing them for tournaments and prepping cases. Students involved in Speech and Debate competitions may be required to work after school to prepare. Participation in at least five Speech and Debate tournaments is a requirement of the course. Competitions are held on Friday evening and Saturday.</p> <p><i>Cost: Student fee associated with this course.</i> <i>Prerequisites: Debate I, Debate II, instructor recommendation</i></p>		
Oral Interpretation I	1.0 credit Tier 3	Course #1711 03240200
<p>Students will analyze a specific topic question, research to find evidence, and develop both affirmative and negative case positions. Students will gain a general understanding of the major forms of debate, including Congressional Debate, Policy Debate, Lincoln-Douglas Debate, and more. Students will spend time studying logic and reasoning and learning to prepare and present actual debates, oratories, and extemporaneous speeches. Students will learn the basics of research, debate, organization, analysis, and argumentation. Through participation in various types of in-class debates and forums on current topics, students will conduct research, discover issues, and formulate propositions. In addition to debates, students will have the opportunity to read, prepare, and analyze various forms of speeches including Dramatic Interpretation, Humorous Interpretation, Duo Interpretation, Informative Speaking, and more. Participation in at least two Speech and Debate Tournaments is a requirement of the course. Competitions are held on Friday evenings and all day Saturday.</p> <p><i>Note: Students will earn 0.5 credit in Oral Interpretation I and 0.5 credit in Speech which meets the graduation requirement.</i> <i>Cost: Student fee associated with this course.</i> <i>Prerequisites: None</i></p>		
Oral Interpretation II	1.0 credit Tier 3	Course #1712 03240300
<p>Oral Interpretation II will build on the concepts from Oral Interpretation I. This course is designed for the student who wishes to gain further experience in literary performance. Students on this level will continue their development of analytical and performance techniques, refining and expanding specific skills through classroom and contest participation, as well as public performance. The course will require application of public speaking and oral interpretation to competitive situations. Students will focus on advanced public speaking and oral interpretation skills, as well as participation in Speech and Debate Tournaments. Students involved in Speech and Debate competitions may be required to work after school to prepare. Preparation time will be limited to no more than four hours per week on Monday through Thursday. Speech competitions are held on Friday evening and Saturday. Participation in at least five Speech and Debate tournaments is a requirement of the course. Competitions are held on Friday evening and Saturday.</p> <p><i>Cost: Student fee associated with this course.</i> <i>Prerequisites: Oral Interpretation I, instructor recommendation</i></p>		

Oral Interpretation III	1.0 credit Tier 3	Course #1714 03240400
<p>Oral Interpretation III will build on the concepts from Oral Interpretation II. This course is designed for the student who wishes to gain further experience in literary performance. Students on this level will continue their development of analytical and performance techniques, refining and expanding specific skills through classroom and contest participation, as well as public performance. The course will require application of public speaking and oral interpretation to competitive situations. Students will focus on advanced public speaking and oral interpretation skills, as well as participation in Speech and Debate Tournaments. Oral Interpretation III students will have the opportunity to coach other students in preparing their pieces/speeches as well. Students involved in Speech/Debate competitions may be required to work after school to prepare. Preparation time will be limited to no more than four hours per week on Monday through Thursday. Speech competitions are held on Friday evening and Saturday. Participation in at least five Speech and Debate tournaments is a requirement of the course. Competitions are held on Friday evening and Saturday.</p> <p><i>Cost: Student fee associated with this course.</i> <i>Prerequisites: Oral Interpretation I, Oral Interpretation II, instructor recommendation</i></p>		

Journalism and Broadcast Courses

Journalism courses prepare students to become productive members of the broadcasting, on-line newspaper, news and literary magazine, and yearbook staff through extensive experience in writing, meeting deadlines, shooting photographs, on-air reporting, video reporting, and desktop publishing with Adobe software. Those wishing to pursue public relations, advertising/marketing, journalism, writing, graphic design, photography, broadcast or desktop publishing are encouraged to take these elective courses.

Journalism	1.0 credit Tier 3	Course #1600 03230100
<p>This is an introductory course for student journalists. Students will learn important journalism skills in the areas of writing, research, and photography. Students will explore a variety of technology and design, and will practice communication and problem solving skills while assisting in the production of student publications which is relevant and entertaining to students, faculty members and the community. Students will also learn interviewing skills. This course can serve as a prerequisite for the Newspaper or Yearbook Production courses.</p> <p><i>Note: This course earns one Technology Applications credit.</i> <i>Prerequisites: None</i></p>		
Advanced Journalism: Yearbook	1.0 credit	Tier 3
<p>In Yearbook Production I, students produce The Leopard yearbook while exploring the processes and elements of journalistic magazine production. This course serves as a lab for student journalists to expand skills in writing, research, photography, interviewing, technology, design, communication and problem solving while producing a student publication relevant and entertaining to students, faculty, and the community. Students will use InDesign as well as Photoshop to complete productions. Students must be proficient in copywriting, photography, design, and possess interview skills. Outside time is required for assignments and deadlines. Students are required to sell advertising and attend summer camp or one convention. With instructor approval, this course may be repeated with a higher level of responsibility and for Technology Applications credit.</p>		

Prerequisites: Journalism or Photojournalism, completion of the program requirement form

Advanced Journalism: Yearbook I Course #1611 03230110
Advanced Journalism: Yearbook II Course #1612 03230120
Advanced Journalism: Yearbook III Course #1613 03230130

Advanced Journalism: Newspaper

1.0 credit

Tier 3

This course provides practical experience in the elements/processes of producing the Red Ledger online newspaper, which is produced on a level appropriate for UIL and national student competitions. Assignments/deadlines require attendance at several evening meetings prior to publication deadline. Students must sell advertising and attend school events outside the school day. Students are encouraged to attend summer/fall workshop(s). Workshops are required for editors. With instructor approval, this course may be repeated with a higher level of responsibility and for Technology Applications credit.

Prerequisites: Journalism, completion of the program requirement form

Advanced Journalism: Newspaper I Course #1621 03230140
Advanced Journalism: Newspaper II Course #1623 03230150
Advanced Journalism: Newspaper III Course #1622 03230160

Advanced Broadcast Journalism

1.0 credit

Tier 3

Students in Advanced Broadcast Journalism will produce news and feature video productions for the community through productions called Leopard Spotlight and Leopard Pause. Students will fill the roles of reporters, editors, and producers. Students must be prepared to gather interviews outside of the school day for the two productions. With instructor approval, this course can be taken multiple years at a higher level. Students who are interested in sports broadcasting as well, should also register to take A/V Production II in addition to Broadcast Journalism.

Note: This course earns one Technology Applications credit.

Cost: Student fee associated with this course.

Prerequisite: Completion of the program requirement form

Advanced Broadcast Journalism I Course #1661 13008500
Advanced Broadcast Journalism II Course #1662 13008600
Advanced Broadcast Journalism III Course #1663 13008700

Photojournalism

1.0 credit

Course #1639

Tier 3

13009100

Students learn basic operation and full manual operation of a digital SLR camera. Students explore the relationship between ISO, aperture, and shutter speed on photography and light. Students learn photographic composition techniques to help them compose better photos. Students learn and use Adobe Photoshop to enhance photography. They also learn and use Adobe InDesign to learn how to publish their work. This course also teaches how to interview and write captions to accompany photos. It serves as a prerequisite for Yearbook Production and Newspaper Production.

Note: This course earns one Technology Applications credit.

Cost: Student fee associated with this course.

Prerequisites: None

Audio/Video Production I	1.0 credit Tier 3	Course #8041 13008500
<p>Students will learn basic and advanced foundations of creating audio and video productions designed for broadcast to public audiences. Writing, recording, editing and producing skills will be emphasized as well as emerging trends in the video industry, digital storytelling, ethics, and intellectual property concerns. This course falls within the Digital Communications Program of Study. Refer to the Career and Technical Education course section for additional information.</p> <p><i>Note: This course earns one Technology Applications credit.</i> <i>Cost: Student fee associated with this course.</i> <i>Prerequisites: None</i></p>		
Audio/Video Production II	1.0 credit Tier 3	Course #8042 13008600
<p>Building upon the concepts taught in Audio/Video Production I, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production productions. With instructor approval, this course can be taken multiple years at a higher level. This course will focus on sports broadcast production. This course falls within the Digital Communications Program of Study. Refer to the Career and Technical Education course section for additional information.</p> <p><i>Note: This course earns one Technology Applications credit.</i> <i>Cost: Student fee associated with this course.</i> <i>Prerequisites: Audio/Video Production I</i></p>		
Practicum in Audio/Video Production	2.0 credits	Tier 3
<p>Building upon the concepts taught in Audio/Video Production II, in addition to developing advanced technical knowledge and skills needed to success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Students must be prepared to gather interviews outside of the school day for sports productions. With instructor approval, this course can be taken a second year at a higher level. This course falls within the Digital Communications Program of Study. Refer to the Career and Technical Education course section for additional information.</p> <p><i>Note: This course earns one Technology Applications credit.</i> <i>Cost: Student fee associated with this course.</i> <i>Prerequisite: Audio/Video Production II</i></p>		
Practicum in Audio/Video Production (1st Time Taken)	Course #8044	13008700
Practicum in Audio/Video Production (2nd Time Taken)	Course #8046	13008710

Independent Study in Journalism**1.0 credit****Tier 3**

Students enrolled in Independent Study in Journalism write in a variety of forms for a variety of audiences and purposes. Students are expected to plan, draft, and complete written communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Students will become analytical consumers of media and technology to enhance their communication skills. Published work of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Independent Study in Journalism will refine and enhance their journalistic skills, research self-selected topics, plan, organize, and prepare a project(s).

Recommended prerequisites: Journalism or Advanced Broadcast Journalism

Independent Study in Journalism I (1st Time Taken)**Course #1654 03231000****Independent Study in Journalism II (2nd Time Taken)****Course #1655 03231011**

Other Elective Courses

Peer Assistance and Leadership (PALS)	1.0 credit	Tier 3
<p>In PALS I (year 1) students are trained to work as peer facilitators with students on their own campus and/or in feeder schools. Students interested in careers in education and other helping professions gain practical knowledge and field experience in a variety of helping skills.</p> <p>PALS II (year 2) incorporates all essential elements of PALS I, emphasizing higher-level projects/skills, such as helping to train first-year peer helpers, peer mediation/conflict resolution, community service, group facilitation, and accelerated service delivery. These peer helpers assist feeder schools in implementing/managing conflict management teams.</p> <p><i>Prerequisites: Completion of the program requirement form</i></p>		
<p>Peer Assistance and Leadership I Course #9402 N1290005 Peer Assistance and Leadership II Course #9401 N1290006</p>		
Peer Assistance for Students With Disabilities (PAWS)	1.0 credit (for full year)	Tier 3
<p>This course is designed to promote an inclusive educational environment for all students. This course provides peer assistants the opportunity to develop leadership and communication skills. Peer assistants assist teachers in general education and special education settings by helping to facilitate inclusion in the classroom. The goal is to create a relationship among age appropriate peers of differing abilities, both socially and academically. Confidentiality training and requirements are a component of this class.</p> <p><i>Note: Students can earn state credit for year one only.</i></p> <p><i>Prerequisites: Completion of the program requirement form</i></p>		
<p>Peer Assistance for Students With Disabilities I Course #8101 N1290203 (0.5 cr sem course) Peer Assistance for Students With Disabilities II Course #8105 N1290204 (0.5 cr sem course) Peer Assistance for Students With Disabilities III Course #8107 85000PW3 (local credit only) Peer Assistance for Students With Disabilities IV Course #8108 85000PW4 (local credit only)</p>		
Student Leadership	1.0 credit	Tier 3
<p>This class provides leadership training through practical experiences. Students organize and coordinate Student Council activities such as freshman orientation, food drives, homecoming, spirit days, teacher appreciation, etc. Topics include group interaction, organization skills, communication and goal setting. This course is required for all student council officers and class officer presidents.</p> <p><i>Note: Course 9115 is for students' first year of taking this course and earns a state elective credit. Course 9130 is for subsequent years and earns local credit only.</i></p> <p><i>Prerequisites: Completion of the program requirement form</i></p>		
<p>Student Leadership I Course #9115 N1290010 Student Leadership II Course #9130 85000SCO</p>		

AP European History	1.0 credit Tier 1	Course #4050 A3340200
<p>AP European History focuses on the basic chronology of major events/trends from approximately 1450 to the present. Students learn principle themes in modern European history, to analyze historical evidence, and to analyze/express historical understanding in writing. Students should expect a challenging workload and an increased amount of time reading outside of class from a college textbook. This course is an elective course and does not substitute for the required history courses for graduation. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: World History, US History (may be taken concurrently)</i></p>		
AP Seminar	1.0 credit Tier 1	Course #4390 N1130026
<p>In the first year, students develop and strengthen their analytic and inquiry skills, exploring deeply topics and issues. Students will learn to consider an issue from multiple perspectives, evaluate the strength of an argument, and make logical, fact-based decisions. Students will complete a team project, an individual paper and presentation, and take a written end of course exam. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Note: Seniors who take this course will not be eligible for the AP Capstone Diploma™.</i> <i>Cost: AP exam fee</i> <i>Prerequisites: none</i></p>		
AP Research	1.0 credit Tier 1	Course #1390 N1100014
<p>Students will complete an independent research project on a topic of interest. At the end of the research project, students will submit an academic thesis paper of about 5000 words, present findings and orally defend their work. The AP Research score will be based on the paper, presentation, and oral defense using the 1-5 AP scoring scale. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Note: Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP exams of their choosing receive the AP Capstone Diploma™. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP exams receive the AP Seminar and Research Certificate™.</i></p> <p><i>Cost: AP exam fee</i> <i>Prerequisites: AP Seminar</i></p>		
Career Preparation	2.0 credits Tier 3	Course #8102 12701300
<p>Career Preparation provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. Classroom experiences include: job acquisition, career progression, financial success, business and entrepreneurial applications, occupational safety and health, and relevant news topics. Professional portfolios will be created with material supporting an educational and/or career plan for the future. The goal is to prepare students with a variety of skills for a changing workplace. All students in the course must:</p> <ul style="list-style-type: none"> ● Be employed by an employer that will provide a pay stub. (An example of employment that does not fit the criteria: nanny, babysitting) ● Have work hours after the school day. (Students will not be released prior to 3:25 p.m.) ● Maintain employment throughout the course of the school year. ● Attend the classroom instruction portion of the course throughout the entire school year. <p><i>Prerequisites: Employment</i></p>		

Career and Technical Education Courses

Lovejoy High School offers the following Career and Technical Education (CTE) Career Clusters, which will have associated Programs of Study:

- [Arts, Audio/Video Technology, and Communications](#)
- [Business, Marketing, and Finance](#)
- [Education and Training](#)
- [Engineering](#)
- [Health Science](#)
- [Information Technology](#)
- [Manufacturing](#)
- [Transportation, Distribution, and Logistics](#)

Admission to these programs is based on interest and aptitude, age, appropriateness, and class space availability.

The requirements of each Program of Study are listed below. Students do not need to take every course listed under each sequence, nor are these prescribed sequences for students. These are recommended sequences only. There are options in each pathway to complete the Program of Study. In addition, students may earn a certification by successfully completing an industry based exam.



Arts, Audio/Video Technology, and Communications Career Cluster

The Arts, Audio Visual Technology, and Communication (AAVTC) career cluster focuses on designing, producing, exhibiting, performing, writing, and publishing multimedia content requiring creative aptitude, fluency in computer and technology applications, and proficiency in oral and written communication. This career cluster includes occupations ranging from camera operator, audio and video technician, director, and producer to graphic designer and web and digital interface designer.

There are two Programs of Study within the Arts, Audio/Video Technology, and Communications Career Cluster:

- Digital Communications
- Graphic Design and Interactive Media

Digital Communications Program of Study

The Digital Communications program of study focuses on occupational and educational opportunities associated with the production of audio and visual media formats for various purposes, such as TV broadcasts, advertising, video production, or motion pictures. The program of study includes operating machines and equipment such as microphones, sound speakers, video screens, projectors, video monitors, sound and mixing boards, and related electronic equipment to record sound and images.

Successful completion of the Digital Communications program of study will fulfill requirements of the Business and Industry endorsement.



Professional Communications (one semester)	0.5 credit Tier 3	Course #1774 13009900
Professional Communications investigates aspects of leadership and communication, including: interpersonal communication, business communication, intra-cultural communication, group dynamics, and leadership/presentation styles. This course is required for graduation and is strongly encouraged to be taken freshman year.		
<i>Note: This class fulfills the Communication Applications (speech) graduation requirement.</i>		
<i>Prerequisites: none</i>		
Audio/Video Production I	1.0 credit Tier 3	Course #8041 13008500
Students will learn basic and advanced foundations of creating audio and video productions designed for broadcast to public audiences. Writing, recording, editing and producing skills will be emphasized as well as emerging trends in the video industry, digital storytelling, ethics, and intellectual property concerns. Students work towards an Adobe certification. Students work towards an industry-based certification.		
<i>Note: This course earns one Technology Applications credit.</i>		
<i>Cost: Student fee associated with this course.</i>		
<i>Prerequisites: None</i>		
<i>Recommended prerequisite: Principles of Arts, Audio/Video Technology, and Communications</i>		

Audio/Video Production II	1.0 credit Tier 3	Course #8042 13008600
<p>Building upon the concepts taught in Audio/Video Production I, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production productions. With instructor approval, this course can be taken multiple years at a higher level. Students work towards an industry-based certification.</p> <p><i>Note: This course earns one Technology Applications credit.</i> <i>Cost: Student fee associated with this course.</i> <i>Prerequisites: Audio/Video Production I</i></p>		
Practicum in Audio/Video Production	2.0 credits	Tier 3
<p>Practicum in Audio/Video Production is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Building upon the concepts taught in Audio/Video Production II, in addition to developing advanced technical knowledge and skills needed to success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Students must be prepared to gather interviews outside of the school day for sports productions. With instructor approval, this course can be taken a second year at a higher level. Professional portfolios will be created with material supporting an educational and/or career plan for the future.</p> <p><i>Note: This course earns one Technology Applications credit.</i> <i>Cost: Student fee associated with this course.</i> <i>Prerequisites: Audio/Video Production II</i></p>		
Practicum in Audio/Video Production (1st Time Taken)	Course #8044	13008700
Practicum in Audio/Video Production (2nd Time Taken)	Course #8046	13008710

Graphic Design and Interactive Media Program of Study

The Graphic Design and Interactive Media program of study focuses on occupational and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. The program of study includes designing clothing and accessories and creating special effects, animation, or other visual images using film, video, computers, or other electronic tools and media for use in computer games, movies, music videos, and commercials.

Successful completion of the Graphic Design and Interactive Media program of study will fulfill requirements of the Business and Industry endorsement.

First Course	Second Course	Third Course	Fourth Course
Principles of Arts, A/V, Technology and Communication (Offered on the WSMS campus only)	Graphic Design and Illustration I	Digital Art and Animation	Independent Study in Technology Applications
Digital Media			

Industry Based Certifications

Adobe Certified Professional in Visual Design Using Adobe Photoshop
 Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator
 Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign

Digital Media	1.0 credit Tier 3	Course #8304 13027800
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Students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem, while practicing personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Reading, writing, computing, communication, and critical thinking will be enhanced and applied to the IT environment. Students learn the basics of industry-standard software such as Adobe InDesign CC, Adobe Illustrator CC and Adobe Photoshop CC. Students learn graphic design principles, color theory, and basic photo/video techniques. Students work towards an industry-based certification.

Note: This course earns one Technology Applications credit. The course is designed for students who have taken Principles of Arts, Audio/Video, Technology and Communication.

Cost: Student fee associated with this course.

Prerequisites: None

Graphic Design and Illustration I	1.0 credits Tier 3	Course #8301 13008800
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Graphic Design and Illustration I provides training for entry-level employment in the graphic design field. Instruction includes basic components of graphic design and the development of the creative process from concept to finished product. Students will learn traditional techniques as well as current computer software technologies. Students learn the basics of industry-standard software such as Adobe InDesign CC, Adobe Illustrator CC and Adobe Photoshop CC. Students work towards an industry-based certification.

*Note: This course earns one Technology Applications credit. The course is designed for students who have **NOT** taken Principles of Arts, Audio/Video, Technology and Communication.*

Cost: Student fee associated with this course.

Prerequisites: None

Digital Art and Animation	1.0 credit Tier 3	Course #8382 03580500
<p>Digital Art and Animation consists of computer images and animations created with digital imaging software. Digital Art and Animation has applications in many careers, including graphic design, advertising, web design, animation, corporate communications, illustration, character development, script writing, storyboarding, directing, producing, inking, project management, editing, and the magazine, television, film, and game industries. Students in this course will produce various real-world projects and animations. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts. Students work towards an industry-based certification.</p> <p><i>Note: This course earns one Technology Applications credit and satisfies the high school Fine Arts graduation requirement.</i></p> <p><i>Cost: Student fee associated with this course.</i></p> <p><i>Prerequisite: None</i></p> <p><i>Recommended prerequisite: Art, Level 1</i></p>		

Independent Studies in Technology Applications	1.0 credit Tier 3	Course #1643 03580900
<p>In Independent Study in Technology Applications, through the study of technology applications foundations, including technology-related terms, concepts, and data input strategies, students will communicate information in different formats and to diverse audiences using a variety of technologies. Students will learn to make informed decisions; develop and produce original work that exemplifies the standards identified by the selected profession or discipline; and publish the product in electronic media and print. Students will practice the efficient acquisition of information by identifying task requirements, using search strategies, and using technology to access, analyze, and evaluate the acquired information. By using technology as a tool that supports the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts. Students must submit a proposal detailing the project concept with a timeline of completion dates.</p> <p><i>Note: This course earns one Technology Applications credit.</i></p> <p><i>Prerequisites: None</i></p> <p><i>Recommended Prerequisites: A minimum of one credit from the courses in the Information Technology career cluster</i></p>		



Business, Marketing, and Finance Career Cluster

The Business, Marketing, and Finance career cluster focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations. This career cluster includes occupations ranging from business owner and entrepreneur to accountant, retail manager, and market analyst.

There are three Programs of Study within the Business, Marketing, and Finance Career Cluster:

- Accounting and Financial Services
- Business Management
- Marketing and Sales

The Accounting and Financial Services program is further divided into two pathways:

- Accounting
- Financial Services

The programs, pathways and course descriptions are listed below.

Accounting and Financial Services Program of Study

The Accounting and Financial Services program of study offers two pathways: Accounting and Financial Services. These pathways focus on occupational and educational opportunities associated with examining, analyzing, and interpreting financial records. It includes exploration of financial services, preparing financial statements, auditing financial statements prepared by others, and interpreting accounting records. This program of study also introduces students to mathematical modeling tools.

Successful completion of the Accounting and Financial Services program of study will fulfill requirements of the Business and Industry endorsement.

Pathway	First Course	Second Course	Third Course	Fourth Course
Accounting	Principles of Business, Marketing, and Finance	Accounting I	Accounting II	Practicum in Business Management
Financial Services	Principles of Business, Marketing, and Finance	Money Matters Banking and Financial Services	Financial Analysis	Securities and Investments Practicum in Business Management

Industry Based Certifications

NOCTI: Accounting - Basic

Accounting Pathway

Principles of Business, Marketing, and Finance (one semester)	1.0 credit Tier 3	Course #8305 130112005
<p>In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.</p> <p><i>Note: This is a semester-long course but earns 1 credit.</i></p> <p><i>Prerequisites: None</i></p>		
Accounting I	1.0 credit Tier 3	Course #8353 13016600
<p>Accounting I students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision making and work towards an industry-based certification.</p> <p><i>Prerequisites: None</i></p> <p><i>Recommended prerequisite: Principles of Business, Marketing, and Finance</i></p>		
Accounting II	1.0 credit Tier 3	Course #8354 13016700
<p>Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce and/or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students work towards an industry-based certification.</p> <p><i>Prerequisites: Accounting I</i></p>		
Practicum in Business Management	2.0 credits Tier 3	Course #8397 13012200
<p>Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. Professional portfolios will be created with material supporting an educational and/or career plan for the future.</p> <p><i>Prerequisite: None</i></p> <p><i>Recommended Prerequisite: Business, Communications, and Technologies (formerly Business Information Management II)</i></p>		

Financial Services Pathway

Principles of Business, Marketing, and Finance (one semester)	1.0 credit Tier 3	Course #8305 130112005
<p>In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.</p> <p><i>Note: This is a semester-long course but earns 1 credit.</i> <i>Prerequisites: None</i></p>		
Money Matters	1.0 credit Tier 3	Course #8361 13016200
<p>Money Matters teaches global economics, emphasizing the free enterprise system and its impact on consumers/businesses. Students apply critical-thinking skills to analyze financial options based on current/projected economic factors and gain knowledge/skills necessary to set long-term financial goals based on those options. Students determine methods of achieving long-term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning.</p> <p><i>Prerequisites: None</i> <i>Recommended prerequisite: Principles of Business, Marketing, and Finance</i></p>		
Banking and Financial Services (one semester)	0.5 credit Tier 3	Course #8357 13016300
<p>In the Banking and Financial Services course, students will develop knowledge and skills in the economic, financial, technological, international, social, and ethical aspects of banking to become competent employees and entrepreneurs. Students will incorporate a broad base of knowledge that includes the operations, sales and management of banking institutions to gain a complete understanding of how banks function within society. Students who complete this course are eligible for employment in the Lovejoy School District Branch of My Community Credit Union.</p> <p><i>Prerequisites: None</i> <i>Recommended prerequisite: Principles of Business, Marketing, and Finance</i></p>		
Financial Analysis	1.0 credit Tier 3	Course #8322 13016800
<p>In the Financial Analysis course, students will apply knowledge and technical skills in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students will develop analytical skills by actively evaluating financial results of multiple businesses, interpreting results for stakeholders, and presenting strategic recommendations for performance improvement.</p> <p><i>Prerequisites: Accounting I</i></p>		

Securities and Investments	1.0 credit Tier 3	Course #8323 13016400
<p>In the Securities and Investments course, students will learn the laws and regulations to manage business operations and transactions in the securities industry. Students will learn about investment analysis and selection processes, including the nature of investment risk. Students will evaluate securities and investments products such as stocks, dividends, stock splits, options strategies, hedge funds, futures, bonds, mutual funds, venture capital, real estate, retirement investment plans, and education savings and the advantages and disadvantages from an issuer and investor perspective.</p> <p><i>Prerequisites: None</i> <i>Recommended prerequisites: Principles of Business, Marketing, and Finance</i></p>		

Practicum in Business Management	2.0 credits Tier 3	Course #8397 13012200
<p>Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. Professional portfolios will be created with material supporting an educational and/or career plan for the future.</p> <p><i>Note: Students employed in the Lovejoy School District Branch of My Community Credit Union must enroll in this course.</i> <i>Prerequisite: None</i> <i>Recommended prerequisite: Business, Communications, and Technologies (formerly Business Information Management II)</i></p>		

Business Management Program of Study

The Business Management program of study focuses on occupational and educational opportunities associated with planning, directing, and coordinating the administrative services and operations of an organization. It includes formulating policies, managing daily operations, and allocating the use of materials and human resources. This program of study also introduces students to mathematical modeling tools and organizational evaluation methods.

Successful completion of the Business Management program of study will fulfill requirements of the Business and Industry endorsement.



Principles of Business, Marketing, and Finance (one-semester)	1.0 credit Tier 3	Course #8305 13011200
In this course, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. Students reinforce, apply, and transfer knowledge and skills to a variety of relevant activities, problems and settings in business, marketing, and finance.		
<i>Note: This is a semester-long course but earns 1 credit.</i>		
<i>Prerequisites: None</i>		
Foundations of Business, Communications, and Technologies (formerly Business Information Management I)	1.0 credit Tier 3	Course #8316 13011400
Foundations of Business, Communications, and Technologies (formerly Business Information Management I) students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society in order to successfully transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software. Students work towards an industry-based certification.		
<i>Note: This course earns Technology Applications credit.</i>		
<i>Prerequisites: None</i>		

Business, Communications, and Technologies (formerly Business Information Management II)	1.0 credit Tier 3	Course #8317 13011500
<p>Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software. Students work towards an industry-based certification.</p>		
<p><i>Note: This course earns Technology Applications credit.</i></p>		
<p><i>Prerequisites: Foundations of Business, Communications, and Technologies (formerly Business Information Management I)</i></p>		
Business Management	1.0 credit Tier 3	Course #8351 13012100
<p>Business Management students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students analyze the primary functions of management and leadership, which are planning, organizing, staffing, directing or leading, and controlling. Topics will incorporate social responsibility of business and industry. Students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent managers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions.</p>		
<p><i>Prerequisites: None</i></p>		
Practicum in Business Management	2.0 credits Tier 3	Course #8397 13012200
<p>Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society in order to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. Professional portfolios will be created with material supporting an educational and/or career plan for the future.</p>		
<p><i>Prerequisite: None</i></p>		
<p><i>Recommended Prerequisite: Business, Communications, and Technologies (formerly Business Information Management II)</i></p>		

Marketing and Sales Program of Study

The Marketing and Sales program of study focuses on occupational and educational opportunities associated with collecting information to estimate potential sales of a product or service and create campaigns to market or distribute goods and services. It includes applying data related to customer demographics, preferences, needs, and buying habits.

Successful completion of the Marketing and Sales program of study will fulfill requirements of the Business and Industry endorsement.



Principles of Business, Marketing, and Finance (one semester)	1.0 credit Tier 3	Course #8305 13011200
<p>In this course, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. Students reinforce, apply, and transfer knowledge and skills to a variety of relevant activities, problems and settings in business, marketing, and finance.</p> <p><i>Note: This is a semester-long course but earns 1 credit.</i></p> <p><i>Prerequisites: None</i></p>		
Fashion Marketing (one semester)	0.5 credit Tier 3	Course #8710 13034300
<p>Fashion Marketing is designed to provide students with knowledge of the various business functions in the fashion industry. Students in Fashion Marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising, and career opportunities. Fashion marketers plan, purchase, and forecast budgets, trends, and sales for each season. Students will learn fashion terminology, distribution, physical store layout, product merchandising, and marketing strategies specifically used in the fashion industry.</p> <p><i>Prerequisites: None</i></p> <p><i>Recommended prerequisite: Principles of Business, Marketing, and Finance</i></p>		

Sports and Entertainment Marketing (one semester)	0.5 credit Tier 3	Course #8324 13034600
<p>The Sports and Entertainment Marketing course introduces students to the fundamentals of marketing in the sports and entertainment industries. Students will explore product branding, licensing, sponsorships, pricing, placement, promotion, event marketing, advertising, and implementation of sports and entertainment marketing plans. Students will gain an understanding of how the sports and entertainment industries impact the economy. Students will understand how culture and diversity affect sports and entertainment markets.</p> <p><i>Prerequisites: None</i> <i>Recommended prerequisite: Principles of Business, Marketing, and Finance</i></p>		

Social Media Marketing (one semester)	0.5 credit Tier 3	Course #8325 13034650
<p>The Social Media Marketing course is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The students 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. Students work towards an industry-based certification.</p> <p><i>Prerequisites: None</i> <i>Recommended prerequisite: Principles of Business, Marketing, and Finance</i></p>		

Practicum in Marketing	2.0 credits Tier 3	Course #8326 13034800
<p>Practicum in Marketing is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Practicum in Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students will gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students will integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical courses in marketing. Professional portfolios will be created with material supporting an educational and/or career plan for the future.</p> <p><i>Prerequisites: None</i> <i>Recommended prerequisite: Principles of Business, Marketing, and Finance</i></p>		



Education and Training Career Cluster

The Education and Training career cluster focuses on planning, managing, and providing education and training services and related learning support services. All parts of courses are designed to introduce learners to the various careers available within the Education and Training career cluster. This career cluster includes a diverse spectrum of occupations, ranging from teaching assistant, classroom teacher, to school administrator.

Teaching and Training Program of Study

The Teaching and Training program of study focuses on occupational and educational opportunities associated with careers related to teaching, instructing, and creating instructional and enrichment materials. The program of study includes recognizing a variety of student groups and their corresponding needs, identifying processes for developing curriculum and coordinating educational content, and coaching groups and individuals.

Successful completion of the Teaching and Training program of study will fulfill requirements of the Public Service endorsement.



Principles of Education and Training	1.0 credit Tier 3	Course #8515 13014200
Principles of Education and Training introduces learners to the various careers available in education and training careers. Students use self-knowledge and educational and career information to analyze various careers. Students also summarize various roles and responsibilities and describe personal characteristics, qualities, and aptitudes of professionals in the teaching field		
<i>Prerequisites: None</i>		

Child Development	1.0 credit Tier 3	Course #8517 13024700
<p>This technical laboratory course teaches knowledge and skills related to child growth and development from prenatal through school age. Students use child development skills to promote the well-being and healthy development of children and to investigate careers related to the care and education of children.</p>		
<p><i>Prerequisites: None</i></p>		
<p><i>Recommended Prerequisites: For Grades 10-12, Principles of Education and Training</i></p>		
Instructional Practices (Ready, Set, Teach I)	2.0 credits Tier 3	Course#8520 13014400
<p>Instructional Practices is a field-based course that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and perform other duties of teachers, trainers, paraprofessionals, or other educational personnel. Students work towards an industry-based certification.</p>		
<p><i>Prerequisites: At least one credit in a course from the Education and Training Career Cluster and the completion of the program requirement form</i></p>		
<p><i>Recommended prerequisites: For Grades 11 and 12, Principles of Education and Training or Child Development</i></p>		
Practicum in Education and Training (Ready, Set, Teach II)	2.0 credits Tier 3	Course 8519 13014500
<p>Practicum in Education and Training is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. This advanced course focuses on training in a field-site classroom with a mentor teacher as an internship experience. You will learn about child development and how to plan and direct instruction at an advanced level. You will also work with an exemplary teacher and apply your skills by designing lessons and supporting student learning in the classroom. Students travel to the elementary, intermediate, or middle school campus for internship training 3 days a week; learn to plan and direct instruction and group activities; prepare instructional materials; develop materials for teachers; and complete other responsibilities of classroom teachers. With parent approval, students may provide their own transportation but may not transport other students. Professional portfolios will be created with material supporting an educational and/or career plan for the future.</p>		
<p><i>Prerequisites: Instructional Practices and completion of the program requirement form</i></p>		
<p><i>Recommended prerequisite: For students in Grade 12, Principles of Education and Training, Child Development</i></p>		



Engineering Career Cluster

The Engineering career cluster focuses on planning, designing, testing, building, and maintaining of machines, structures, materials, systems, and processes using empirical evidence and science, technology, and math principles. This career cluster includes occupations ranging from mechanical engineer and drafter to electrical engineer and to mapping technician.

Project Lead The Way (PLTW) is the only pre-engineering/engineering technology program of its kind in the U.S. It is affiliated with such groups as NASA, the Society of Manufacturing Engineers, American Society of Electrical Engineers, American Society of Manufacturing Engineers, and others. PLTW aims to prepare an increasing and more diverse group of students to be successful in engineering and engineering technology programs. PLTW students have access to a variety of recognition opportunities including scholarships, preferred admission at colleges and universities, internships, industry connections, and other avenues to highlight their achievements.

Mechanical and Aerospace Engineering Program of Study

The Mechanical and Aerospace Engineering program of study focuses on occupational and educational opportunities associated with the design, development, maintenance, and testing of engines, machines, and structures related to aircraft and spacecraft. Students will design, test, and evaluate projects related to aerodynamics, structural, and mechanical design. This program of study includes applying scientific, mathematical, and empirical evidence to solve problems related to navigation, mechanics, robotics, propulsion, and combustion.

Successful completion of the Mechanical and Aerospace Engineering program of study will fulfill requirements of STEM endorsement if the math and science requirements are met or the Business and Industry endorsement.

Pathway	First Course	Second Course	Third Course	Fourth Course
Mechanical and Aerospace Engineering	Introduction to Computer-Aided Design and Drafting	Intermediate Computer-Aided Design and Drafting	Engineering Science	Engineering and Design and Development
	Introduction to Engineering Design (PLTW-offered at WSMS only)		Aerospace Engineering	Practicum in STEM

Industry Based Certifications

Autodesk Associate (Certified User) Fusion 360

Introduction to Computer-Aided Design and Drafting	1.0 credit Tier 3	Course #8386 13037350
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Introduction to Computer-Aided Design and Drafting (CADD) allows students to acquire knowledge and skills needed to use design software, including an introduction to CAD equipment and software selection and interfaces. Students gain skills in setting up a CAD workstation; upgrading a computer to run advanced CAD software; working with storage devices; storing, retrieving, backing-up, and sharing databases, file servers, and local area networks (LANs); and transferring drawing files over the internet.

Note: This course earns one Technology Applications credit.

Cost: Student fee associated with this course.

Prerequisites: None

Recommended prerequisites: Introduction to Engineering Design

Intermediate Computer-Aided Design and Drafting	1.0 credit Tier 3	Course #8389 13037360
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Intermediate Computer-Aided Design and Drafting (CADD), focuses on the fundamentals of computer-aided drafting using various drafting programs. Emphasis is placed on drawing set up; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects; adding text and dimensions; using layers and coordinating systems; and using input and output devices. Students work towards an industry-based certification.

Note: This course earns one Technology Applications credit.

Cost: Student fee associated with this course.

Prerequisites: Introduction to Computer-Aided Design and Drafting

Engineering Science Advanced	1.0 credit Tier 2	Course #8919 13037500
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Engineering Science is an engineering course designed to expose students to some of the major concepts and technologies that they will encounter in a postsecondary program of study in any engineering domain. Students will have an opportunity to investigate engineering and high-tech careers. In Engineering Science, students will employ science, technology, engineering, and mathematical concepts in the solution of real-world challenge situations. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community. Students will take an end of course exam.

Note: This course earns one Technology Applications credit and satisfies the high school science graduation requirement.

Cost: Student fee associated with this course.

Prerequisites: Algebra I, Biology, Chemistry, and at least one credit in a course from the STEM career cluster

Aerospace Engineering	1.0 credit Tier 3	Course #8904 N1303745
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Project Lead the Way (PLTW) Aerospace Engineering ignites students' learning in the fundamentals of atmospheric and space flight. Aerospace Engineering is one of the specialization courses in the PLTW Engineering Program. The course deepens the skills and knowledge of an engineering student within the context of atmospheric and space flight. Students explore the fundamentals of flight in air and space as they bring the concepts to life by designing and testing components related to flight such as an airfoil, propulsion system and a rocket. They learn orbital mechanics concepts and apply these by creating models using industry standard software. They also apply aerospace concepts to alternative applications such as a wind turbine and parachute. Students simulate a progression of operations to explore a planet,

including creating a map of the terrain within a model satellite and using the map to execute a mission using an autonomous robot. Students study the engineering design process, applying math, science, and engineering standards to identify and design solutions to a variety of real problems. They work both individually and in collaborative teams to identify, research, test, refine, develop and communicate design solutions using industry practices, standards, and tools. Utilizing PLTW's activity-project-problem-based teaching and learning strategies, students progress from structured activities to complex projects that require detailed planning, documentation, and communication. The rigorous pace of the course requires students to develop an engineering mindset and be able to often work independently on group tasks that benefit the entire group. Students will take an end of year exam.

Note: This course earns one Technology Applications credit.

Cost: Student fee associated with this course.

Prerequisites: None

Recommended prerequisite: At least one credit in a Level 2 or higher course in Engineering career cluster

Engineering Design and Development (PLTW)	1.0 credit	Course #8907
	Tier 3	N1303749

Engineering Design and Development is the capstone course in the Project Lead the Way (PLTW) high school engineering program. It is an open-ended engineering research course in which students design and develop an original solution to a well-defined and justified open-ended problem by applying an engineering design process. Students perform research to select, define, and justify a problem. After carefully defining the design requirements and creating multiple solutions, students select an approach, create, and test the solution prototype. Students present and defend their solution to an outside panel. While progressing through the engineering design process, students work closely with experts and continually hone their organizational, communication and interpersonal skills, and their creative and problem-solving abilities.

Note: This course earns one Technology Applications credit.

Cost: Student fee associated with this course.

Prerequisites: None

Recommended prerequisite: At least one credit in a Level 2 or higher course in Engineering career cluster

Practicum in STEM	2.0 credits	Course #8060
	Tier 3	13037400

This course is recommended for students in Grade 12. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the STEM Career Cluster. Practicum in STEM is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Professional portfolios will be created with material supporting an educational and/or career plan for the future.

Note: This course earns one Technology Applications credit.

Prerequisites: Algebra I and Geometry,

Recommended prerequisite: Two Science, Technology, Engineering, and Mathematics (STEM) career cluster credits



Health Science Career Cluster

The Health Science career cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. This career cluster includes occupations ranging from medical assistant, registered nurse, and physical therapist to forensic science technician and athletic trainer.

There are two Programs of Study within the Health Science Career Cluster:

- *Diagnostic and Therapeutic Services*
- *Exercise Science, Wellness, and Restoration*

Each program is further divided into pathways:

Diagnostic and Therapeutic Services

- Certified Nursing Assistant and Patient Care Technician
- Rehabilitation Aide
- Pharmacy Technician

Exercise Science, Wellness, and Restoration

- Sports Medicine
- Emergency Medical Technician

The programs, pathways and course descriptions are listed below.

Diagnostic and Therapeutic Services Program of Study

The Diagnostic and Therapeutic Services program of study focuses on occupational and educational opportunities associated with diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study includes exploration of patient treatment and rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.

Successful completion of the Diagnostic and Therapeutic Services program of study will fulfill requirements of the Public Services endorsement.

Pathway	First Course	Second Course	Third Course	Fourth Course
Certified Nursing Assistant and Patient Care Technician	Principles of Health Science	Medical Terminology and Pathophysiology	CNA: Health Theory/Health Science Clinical	Practicum in Health Science - Patient Care Technician
			Anatomy and Physiology	
Rehabilitation Aide	Principles of Health Science	Medical Terminology and Pathophysiology	CNA: Health Theory/Health Science Clinical	Practicum in Health Science - Rehabilitation Aide
			Anatomy and Physiology	
Pharmacy Technician	Principles of Health Science	Medical Terminology and Pathophysiology	CNA: Health Theory/Health Science Clinical	Practicum in Health Science - Pharmacy Technician or Pharmacology
			Anatomy and Physiology	

Industry Based Certifications

Certified Nurse Aide (CNA)
 Emergency Medical Technician (EMT)
 Patient Care Technician (PCT)
 Pharmacy Technician

Certified Nursing Assistant/Patient Care Technician Pathway

Principles of Health Science	1.0 credit	Course #8414
	Tier 3	13020200
<p>Principles of Health Science provides an overview of healthcare-specific knowledge and skills, effective workplace communication, ethical/legal responsibilities, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical or work-based learning experiences in health care. Students have an opportunity to receive CPR certification.</p> <p><i>Note: This course meets the requirements for 0.5 credit of Health.</i></p> <p><i>Prerequisites: None</i></p>		
Dual Credit Medical Terminology and Pathophysiology	2.0 credits LHS	
	**6.0 credits CC	
<p>Medical Terminology teaches a working knowledge of the language of medicine. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care. This course will consist of the following two Collin College courses:</p> <ul style="list-style-type: none"> • The Medical Terminology course (HITT 1305) includes the study of medical terms through word origin and structure. Students are introduced to abbreviations and symbols, surgical and diagnostic procedures, and medical specialties, human anatomy and physiology; and pathophysiology. (3 credit hours) • The Pathophysiology course (HPRS 2301) includes the study of the disease process and how humans are affected. Topics include etiology; signs and symptoms; prevention and treatment; and normal and abnormal physiology of diseases and injuries. (3 credit hours) <p><i>Note: Students will be enrolled in Medical Terminology during the fall semester and Pathophysiology during the spring semester. Completion of Pathophysiology earns one credit of science.</i></p> <p><i>**To earn Collin College credit for either Medical Terminology or Pathophysiology, students must earn a grade of 75% or higher.</i></p>		

Cost: Students must pay all costs associated with the dual credit course, including the cost of the textbook.

Medical Terminology

Prerequisites: Principal designee approval and eligibility according to Collin College Admissions Policy

Recommended prerequisite: Grade 9-12 students

Pathophysiology

Prerequisites: Biology, Chemistry, and at least one credit in a Level 2 or higher course from the health science career cluster

Recommended prerequisite: Grade 11 and 12 students and Anatomy and Physiology

Dual Credit Medical Terminology	Course #8402	1302300	(Fall Semester)
Dual Credit Pathophysiology	Course #8403	1302800	(Spring Semester)

Anatomy and Physiology Advanced

**1.0 credit
Tier 2**

**Course #3840
13020600**

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. Systems will be investigated as to the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. Topics will be presented through an integration of biology, chemistry, and physics. 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.

Prerequisites: Biology, a second science credit

Recommended prerequisite: A course from the Health Science Career Cluster

**Dual Credit Health Science Theory / Health Science Clinical:
Certified Nurse Aide (CNA)**

**2.0 credits LHS
10 credits CC**

**Course #8432A S1
Course #8432B S2
13020410**

Health Science Theory/Health Science Clinical course will provide students the opportunity to develop advanced knowledge and skills related to a wide variety of health careers learned in Principles of Health Science. This course focuses on nursing assistant competencies. 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.

Upon completion of this course, students are eligible to take the National Nurse Aide Assessment Program Examination. Students will complete 80 hours of classroom and laboratory instruction at a state-approved long-term care facility. Students must successfully complete both classroom and clinical portions to be eligible to take the exam.

With parent approval, students may provide their own transportation but may not transport other students.

***To earn Collin College credit students must earn a grade of 75% or higher.*

Note: Student fees are associated with this course. This course is for students who have already completed a theory/clinical course.

Prerequisites: Biology, at least one credit in a course from the health science career cluster, principal designee approval, and eligibility according to Collin College Admissions Policy

**Dual Credit Practicum in Health Science:
Patient Care Technician (PCT)**

**2.0 credits LHS
10.0 credits CC**

Patient Care Technician (PCT) courses are designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. This course will focus on Patient Care Technician competencies. Some of the competencies include the ability to measure vital signs, draw blood and collect specimens for diagnostics, manage patient food and fluid intake, perform basic laboratory work, perform electrocardiograms (ECGs), monitor patient safety and protect patient rights, and offer emotional support to patients and their loved ones.

Students who complete the PCT program will be eligible to take the Patient Care Technician certification exam through American Medical Technologists (AMT).

With parent approval, students may provide their own transportation but may not transport other students.

***To earn Collin College credit students must earn a grade of 75% or higher.*

Note: Student fees are associated with this course. This course is for students who have already completed a theory/clinical course.

Prerequisites: Biology, Health Science Theory, principal designee approval, and eligibility according to Collin College Admissions Policy

Recommended prerequisite: Grade 11 and 12 students

Dual Credit Patient Care Technician Fall	Course #8435	13020500	(Fall Semester)
Dual Credit Patient Care Technician Spring	Course #8437	13020500	(Spring Semester)

Rehabilitation Aide Pathway

Principles of Health Science

1.0 credit **Course #8414**
Tier 3 **13020200**

Principles of Health Science provides an overview of healthcare-specific knowledge and skills, effective workplace communication, ethical/legal responsibilities, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical or work-based learning experiences in health care. Students have an opportunity to receive CPR certification.

Note: This course meets the requirements for 0.5 credit of Health.

Prerequisites: None

Dual Credit Medical Terminology and Pathophysiology

2.0 credits LHS
****6.0 credits CC**

Medical Terminology teaches a working knowledge of the language of medicine. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care. This course will consist of the following two Collin College courses:

- The Medical Terminology course (HITT 1305) includes the study of medical terms through word origin and structure. Students are introduced to abbreviations and symbols, surgical and diagnostic procedures, and medical specialties, human anatomy and physiology; and pathophysiology. (3 credit hours)
- The Pathophysiology course (HPRS 2301) includes the study of the disease process and how humans are affected. Topics include etiology; signs and symptoms; prevention and treatment; and normal and abnormal physiology of diseases and injuries. (3 credit hours)

Note: Students will be enrolled in Medical Terminology during the fall semester and Pathophysiology during the spring semester. Completion of Pathophysiology earns one credit of science.

**To earn Collin College credit for either Medical Terminology or Pathophysiology, students must earn a grade of 75% or higher.

Cost: Students must pay all costs associated with the dual credit course, including the cost of the textbook.

Medical Terminology

Prerequisites: Principal designee approval and eligibility according to Collin College Admissions Policy

Recommended prerequisite: Grade 9-12 students

Pathophysiology

Prerequisites: Biology, Chemistry, and at least one credit in a Level 2 or higher course from the health science career cluster

Recommended prerequisite: Grade 11 and 12 students and Anatomy and Physiology

Dual Credit Medical Terminology	Course #8402	1302300	(Fall Semester)
Dual Credit Pathophysiology	Course #8403	1302800	(Spring Semester)

Anatomy and Physiology Advanced	1.0 credit	Course #3840
	Tier 2	13020600

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. Systems will be investigated as to the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. Topics will be presented through an integration of biology, chemistry, and physics. 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.

Prerequisites: Biology, a second science credit

Recommended prerequisite: A course from the Health Science Career Cluster

Dual Credit Health Science Theory / Health Science Clinical: Rehabilitation Aide	2.0 credits LHS	Course #8413A S1
	10 credits CC	Course #8413B S2
		13020410

Health Science Theory/Health Science Clinical course will provide students the opportunity to develop advanced knowledge and skills related to a wide variety of health careers learned in Principles of Health Science. This course focuses on nursing assistant competencies. 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.

Upon completion of this course, students are eligible to take the National Nurse Aide Assessment Program Examination. Students will complete 80 hours of classroom and laboratory instruction at a state-approved long-term care facility. Students must successfully complete both classroom and clinical portions to be eligible to take the exam.

With parent approval, students may provide their own transportation but may not transport other students.

Note: Student fees are associated with this course. This course is for students who have already completed a theory/clinical course.

Prerequisites: Biology, at least one credit in a course from the health science career cluster, principal designee approval, and eligibility according to Collin College Admissions Policy

Recommended prerequisite: Medical Terminology

Recommended corequisite: Health Science Clinical

**Dual Credit Practicum in Health Science:
Rehabilitation Aide**

**2.0 credits LHS
10 credits CC**

This course is for students who have already completed a theory/clinical course. (Credit for a theory/clinical course can be earned only once.) As a second year clinical student, the course is considered a practicum experience even though the course content is the same for first year students.

With parent approval, students may provide their own transportation but may not transport other students.

Dual Credit Rehabilitation Aide Fall Course #8410 13020500 (Fall Semester)
Dual Credit Rehabilitation Aide Spring Course #8412 13020500 (Spring Semester)

***To earn Collin College credit students must earn a grade of 75% or higher.*

Cost: Students must pay all costs associated with the dual credit course, including the cost of the textbook.

Prerequisites: Health Science Theory/Health Science Clinical, principal designee approval, and eligibility according to Collin College Admissions Policy

Pharmacy Technician Pathway

Principles of Health Science

**1.0 credit
Tier 3**

**Course #8414
13020200**

Principles of Health Science provides an overview of healthcare-specific knowledge and skills, effective workplace communication, ethical/legal responsibilities, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical or work-based learning experiences in health care. Students have an opportunity to receive CPR certification.

Note: This course meets the requirements for 0.5 credit of Health.

Prerequisites: None

Dual Credit Medical Terminology and Pathophysiology

**2.0 credits LHS
6.0 credits CC

Medical Terminology teaches a working knowledge of the language of medicine. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care. This course will consist of the following two Collin College courses:

- The Medical Terminology course (HIIT 1305) includes the study of medical terms through word origin and structure. Students are introduced to abbreviations and symbols, surgical and diagnostic procedures, and medical specialties, human anatomy and physiology; and pathophysiology. (3 credit hours)
- The Pathophysiology course (HPRS 2301) includes the study of the disease process and how humans are affected. Topics include etiology; signs and symptoms; prevention and treatment; and normal and abnormal physiology of diseases and injuries. (3 credit hours)

Note: Students will be enrolled in Medical Terminology during the fall semester and Pathophysiology during the spring semester. Completion of Pathophysiology earns one credit of science.

***To earn Collin College credit for either Medical Terminology or Pathophysiology, students must earn a grade of 75% or higher.*

Cost: Students must pay all costs associated with the dual credit course, including the cost of the textbook.

Medical Terminology

Prerequisites: Principal designee approval and eligibility according to Collin College Admissions Policy

Recommended prerequisite: Grade 9-12 students

Pathophysiology

Prerequisites: Biology, Chemistry, and at least one credit in a Level 2 or higher course from the health science career cluster

Recommended prerequisite: Grade 11 and 12 students and Anatomy and Physiology

Dual Credit Medical Terminology **Course #8402 1302300 (Fall Semester)**
Dual Credit Pathophysiology **Course #8403 1302800 (Spring Semester)**

Anatomy and Physiology Advanced

1.0 credit **Course #3840**
Tier 2 **13020600**

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. Systems will be investigated as to the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. Topics will be presented through an integration of biology, chemistry, and physics. 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.

Prerequisites: Biology, a second science credit

Recommended prerequisite: A course from the Health Science Career Cluster

**Health Science Theory / Health Science Clinical:
Pharmacy Technician**

2.0 credits **Course #8423**
Tier 3 **13020410**

This course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. This course will focus on pharmacy technician competencies. After completing coursework (lectures, online work, tests, and lab experience), students may take the Pharmacy Technician Certification Exam and the National Sterile Products (IV) Certification Exam. The Pharmacy Technician certification exam assesses the skill attainment of students in performing tasks such as: receiving prescription requests from patients and doctors' offices, accurately measuring medication amounts, packaging and labeling prescriptions, establishing and maintaining patient records, accepting payment for prescriptions and processing insurance claims, and managing inventory. The classroom portion of this class will be at LHS, and the clinical portion will be at a local pharmacy. With parent approval, students may provide their own transportation but may not transport other students.

Prerequisites: Biology and at least one credit in a course from the Health Science career cluster

**Practicum in Health Science:
Pharmacy Technician**

2.0 credits **Course #8418**
Tier 3 **13020500**

This course is for students who have already completed a theory/clinical course. (Credit for a theory/clinical course can be earned only once.) As a second year clinical student, the course is considered a practicum experience even though the course content is the same for first year students. Professional portfolios will be created with material supporting an educational and/or career plan for the future.

Prerequisites: Biology, Health Science Theory, completion of the program requirement form

Recommended Prerequisites: Frost students in Grades 11 and 12

Pharmacology	1.0 credit Tier 3	Course #8431 13020950
<p>The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an ever changing, growing body of information that continually demands greater amounts of time and education from health care workers.</p> <p><i>Prerequisites: Biology, Chemistry, at least one credit in a Level 2 or higher course from the Health Science career cluster</i></p> <p><i>Recommended Prerequisites: Grade 11 and 12 students</i></p>		

Exercise Science, Wellness, and Restoration Program of Study

The Exercise Science, Wellness, and Restoration program of study focuses on occupational and educational opportunities associated with assisting patients with maintaining physical, mental, and emotional health. This program of study includes researching diet and exercise needed to maintain a healthy, balanced lifestyle and exploring techniques to help patients recover from injury, illness, or disease.

Successful completion of the Exercise Science, Wellness, and Restoration program of study will fulfill requirements of the Public Services endorsement.



Sports Medicine Pathway

Principles of Health Science	1.0 credit Tier 3	Course #8414 13020200
<p>Principles of Health Science provides an overview of healthcare-specific knowledge and skills, effective workplace communication, ethical/legal responsibilities, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical or work-based learning experiences in health care. Students have an opportunity to receive CPR certification.</p> <p><i>Note: This course meets the requirements for 0.5 credit of Health.</i></p> <p><i>Prerequisites: None</i></p>		

Sports Medicine I (Kinesiology I)	1.0 credit Tier 3	Course #5418 N1302104
<p>Sports Medicine I is an information-based course addressing sports injury management. Topics include: sports medicine-related careers; organizational and administrative considerations; injury prevention; recognition, evaluation, and immediate care of athletic injuries; rehabilitation and management skills; taping and wrapping techniques; emergency procedures including first aid, CPR and AED; nutrition; sports psychology; anatomy and physiology; therapeutic modalities; and therapeutic exercise.</p>		
<p><i>Note: This class does not earn P.E. or Health credit.</i></p>		
<p><i>Prerequisites: Completion of the program requirement form</i></p>		
Sports Medicine II (Kinesiology II)	1.0 credit Tier 3	Course #5419 N1302124
<p>Sports Medicine II gives students hands-on experience studying and applying injury-management skills. Topics include: sports medicine-related careers; organizational and administrative considerations; injury prevention; recognition, evaluation, and immediate care of athletic injuries; rehabilitation and management skills; taping and wrapping techniques; emergency procedures including first aid, CPR and AED; nutrition; sports psychology; anatomy and physiology; therapeutic modalities; and therapeutic exercise. This course bridges the gap between health class and clinical rotation for students interested in medical related careers such as sports medicine, athletic training, orthopedics, and physical therapy.</p>		
<p><i>Note: This class does not earn P.E. or Health credit.</i></p>		
<p><i>Prerequisites: Completion of the program requirement form</i></p>		
<p><i>Recommended prerequisite: Sports Medicine I</i></p>		
Anatomy and Physiology Advanced	1.0 credit Tier 2	Course #3840 13020600
<p>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. Systems will be investigated as to the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. Topics will be presented through an integration of biology, chemistry, and physics. 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.</p>		
<p><i>Prerequisites: Biology, a second science credit</i></p>		
<p><i>Recommended prerequisite: A course from the Health Science Career Cluster</i></p>		
Sports Medicine III	1.0 credit Tier 3	Course #5422 12701101
<p>The Sports Medicine III course will provide a logical progression for students that have advanced through the Sports Medicine courses I and II. Students have an opportunity to learn how to recognize, evaluate, manage, and treat athletic injuries and research investigations and applications related to rehabilitation in sports medicine. Instructor-approved topics will provide students opportunities to research, investigate, prepare, and present article reviews, case studies, research projects, visual poster presentations, and multimedia presentations. Students seeking to become athletic trainers will continue to perform assigned clinical duties and responsibilities in the operation of the athletic training room under the supervision of a licensed athletic trainer. These duties will prepare the students to apply the knowledge and skills acquired in the sports medicine course curriculum. Students work towards an industry-based certification.</p>		
<p><i>Note: This class does not earn P.E. or Health credit.</i></p>		
<p><i>Prerequisites: Sports Medicine II, completion of the program requirement form</i></p>		

Practicum in Health Science: Athletic Training	2.0 credit Tier 3	Course #5909 13020500
<p>The program is designed to provide participants with knowledge and skills pertaining to sports medicine while under the supervision of two Licensed Athletic Trainers. Our athletic training program offers students a co-ed environment in which they will have the opportunity to work with many of the sports teams at Lovejoy. Students will gain hands-on experience by being assigned to various sports and being responsible for the care, prevention, treatment and rehabilitation of injuries that occur. Students will cover games and practices and will be required to travel with teams. Students work towards an industry-based certification.</p> <p><i>Note: This course does not earn P.E. or Health credit.</i> <i>Prerequisites: Biology, Sports Medicine II (may be taken concurrently), completion of the program requirement form</i></p>		

Emergency Medical Technician Pathway

Principles of Health Science	1.0 credit Tier 3	Course #8414 13020200
<p>Principles of Health Science provides an overview of healthcare-specific knowledge and skills, effective workplace communication, ethical/legal responsibilities, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical or work-based learning experiences in health care. Students have an opportunity to receive CPR certification.</p> <p><i>Note: This course meets the requirements for 0.5 credit of Health.</i> <i>Prerequisites: None</i></p>		
Dual Credit Medical Terminology and Pathophysiology	2.0 credits LHS **6.0 credits CC	
<p>Medical Terminology teaches a working knowledge of the language of medicine. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care. This course will consist of the following two Collin College courses:</p> <ul style="list-style-type: none"> • The Medical Terminology course (HIIT 13015) includes the study of medical terms through word origin and structure. Students are introduced to abbreviations and symbols, surgical and diagnostic procedures, and medical specialties, human anatomy and physiology; and pathophysiology. (3 credit hours) • The Pathophysiology course (HPRS 2301) includes the study of the disease process and how humans are affected. Topics include etiology; signs and symptoms; prevention and treatment; and normal and abnormal physiology of diseases and injuries. (3 credit hours) <p><i>Note: Students will be enrolled in Medical Terminology during the fall semester and Pathophysiology during the spring semester. Completion of Pathophysiology earns one credit of science.</i></p> <p><i>**To earn Collin College credit for either Medical Terminology or Pathophysiology, students must earn a grade of 75% or higher.</i></p> <p><i>Cost: Students must pay all costs associated with the dual credit course, including the cost of the textbook.</i></p>		

Medical Terminology

Prerequisites: Principal designee approval and eligibility according to Collin College Admissions Policy

Recommended prerequisite: Grade 9-12 students

Pathophysiology

Prerequisites: Biology, Chemistry, and at least one credit in a Level 2 or higher course from the health science career cluster

Recommended prerequisite: Grade 11 and 12 students and Anatomy and Physiology

Dual Credit Medical Terminology Course #8402 1302300 (Fall Semester)

Dual Credit Pathophysiology Course #8403 1302800 (Spring Semester)

**Anatomy and Physiology Advanced 1.0 credit
Tier 2 Course #3840
13020600**

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. Systems will be investigated as to the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. Topics will be presented through an integration of biology, chemistry, and physics. 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.

Prerequisites: Biology and a second science credit

Recommended prerequisite: A course from the Health Science Career Cluster

**Dual Credit Health Science Theory / Health Science Clinical: 2.0 credits LHS Course #8424
Emergency Medical Technician (EMT) 10 credits CC 13020410**

Health Science Theory/Health Science Clinical course will provide students the opportunity to develop advanced knowledge and skills related to a wide variety of health careers learned in Principles of Health Science. This course focuses on nursing assistant competencies. 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.

Upon completion of this course, students are eligible to take the National Nurse Aide Assessment Program Examination. Students will complete 80 hours of classroom and laboratory instruction at a state-approved long-term care facility. Students must successfully complete both classroom and clinical portions to be eligible to take the exam.

With parent approval, students may provide their own transportation but may not transport other students.

Note: Student fees are associated with this course. This course is for students who have already completed a theory/clinical course.

Prerequisites: Biology, principal designee approval, and eligibility according to Collin College Admissions Policy

**Dual Credit Practicum in Health Science: 2.0 credits LHS
Emergency Medical Technician (EMT) 12.0 credits CC**

An Emergency Medical Technician (EMT) related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. The curriculum includes skills necessary for a student to provide entry level emergency medical care, life support, and ambulance service. This course introduces the concepts, knowledge, and skills needed by EMTs in the areas of communications, transportation, and recordkeeping. Students

interested in working in public safety, including fire, police, and ambulance operators will be capable of performing the job expectations of an EMT safely and effectively after the completion of this course.

With parent approval, students may provide their own transportation but may not transport other students.

***To earn Collin College credit students must earn a grade of 75% or higher.*

Note: Student fees are associated with this course. This course is for students who have already completed a theory/clinical course.

Prerequisites: Biology, Health Science Theory, principal designee approval, and eligibility according to Collin College Admissions Policy

Recommended prerequisite: Grade 11 and 12 students

Dual Credit Emergency Medical Technician Fall	Course #8438	13020500	(Fall Semester)
Dual Credit Emergency Medical Technician Spring	Course #8439	13020500	(Spring Semester)



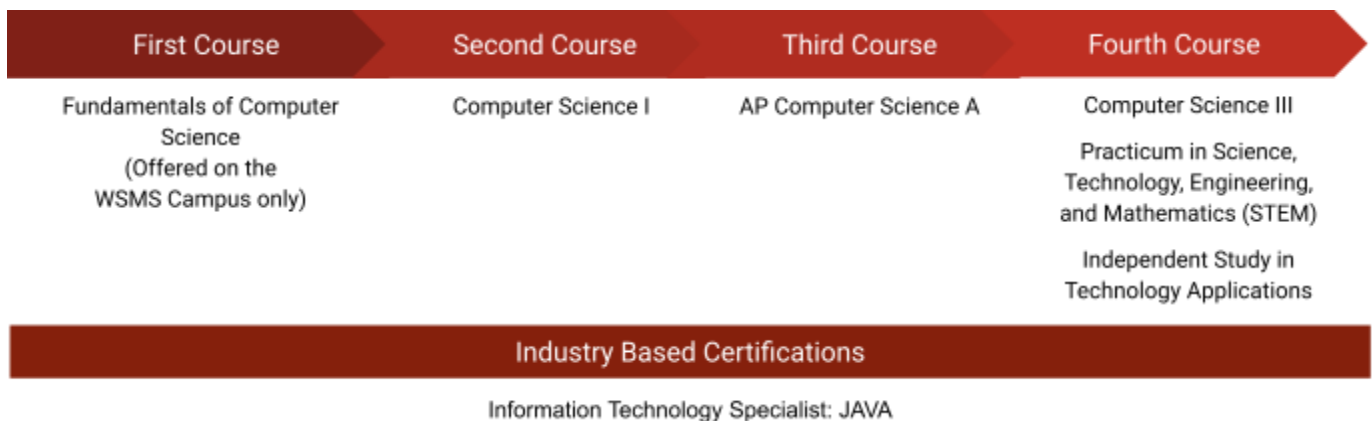
Information Technology Career Cluster

The Information Technology (IT) career cluster focuses on the design, development, support, and management of hardware, software, multimedia, and systems integration services. This career cluster includes occupations ranging from Software Developer and Programmer to Cybersecurity Specialists and Network Analysts.

Programming and Software Development Program of Study

The Information Technology Support and Services program of study focuses on occupational and educational opportunities associated with administering, testing, and implementing computer databases and applying knowledge of database management systems. This program of study includes analyzing user requirements, automating or improving existing systems, and reviewing computer system capabilities. It also includes research, design, and testing of computer or computer-related equipment for commercial, industrial, military, or scientific use.

Successful completion of the Information Technology Support and Services program of study will fulfill requirements of the Business and Industry endorsement.



Computer Science I Advanced	1.0 credit Tier 2	Course #8005 03580200
<p>Computer Science is a study of the beginning skills and concepts associated with programming methodology, programming languages, data types, data structures, algorithms and applications of computing. Design of computer systems and the social implications of computers are integrated throughout the course. Java is the programming language studied. The purpose of the course is to expose students to logical thinking and skills to better prepare them for other courses.</p> <p><i>Note: This course earns one Technology Applications credit.</i> <i>Prerequisites: Algebra I</i></p>		

AP Computer Science A	1.0 credit	Tier 1
<p>AP Computer Science prepares students for the AP Computer Science A exam. It emphasizes software development and incorporates the latest labs designed by the AP College Board. It includes problem-solving techniques, programming methodology, data types, data structures, algorithms, and introduction to object-oriented programming using Java. Students who have not taken Advanced Computer Science must complete the "summer assignment" before taking the course. This course can satisfy the advanced math credit for seniors. This course prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Note: This course earns one Technology Applications credit, one math credit, and one World Language credit.</i> <i>Cost: AP exam fee</i> <i>Recommended prerequisites: Algebra I</i></p> <p>AP Computer Science A (math credit) Course#8016 A3580110 AP Computer Science A (LOTE credit) Course#8017 A3580110</p>		
Computer Science III Advanced	1.0 credit Tier 2	Course #8007 03580350
<p>Advanced Computer Science III is a continuation of AP Computer Science A course, building upon the Java programming language advanced topics including polymorphism and data structures. Students will learn about programming structures such as stacks, queues, linked lists, and binary trees using Java. Students will also study recursion, sorting and other topics in alignment with college-level computer science courses. Students work towards an industry-based certification.</p> <p><i>Note: This course earns one Technology Applications credit.</i> <i>Prerequisites: AP Computer Science A</i></p>		
Practicum in STEM	2.0 credits Tier 3	Course #8060 13037400
<p>This course is recommended for students in Grade 12. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the STEM Career Cluster. Practicum in STEM is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Professional portfolios will be created with material supporting an educational and/or career plan for the future.</p> <p><i>Note: This course earns one Technology Applications credit.</i> <i>Prerequisites: Algebra I and Geometry,</i> <i>Recommended prerequisite: Two Science, Technology, Engineering, and Mathematics (STEM) career cluster credits</i></p>		
Independent Studies in Technology Applications	1.0 credit Tier 3	Course #1643 03580900
<p>In Independent Study in Technology Applications, through the study of technology applications foundations, including technology-related terms, concepts, and data input strategies, students will communicate information in different formats and to diverse audiences using a variety of technologies. Students will learn to make informed decisions; develop and produce original work that exemplifies the standards identified by the selected profession or discipline; and publish the product in electronic media and print. Students will practice the efficient acquisition of information by identifying task requirements, using search strategies, and using technology to access, analyze, and evaluate the acquired information. By using technology as a tool that supports the work of individuals and groups in solving problems,</p>		

students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts. Students must submit a proposal detailing the project concept with a timeline of completion dates.

Note: This course earns one Technology Applications credit.

Prerequisites: None

Recommended Prerequisites: A minimum of one credit from the courses in the Information Technology career cluster



Manufacturing Career Cluster

The Manufacturing career cluster focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and process engineering. This career cluster includes occupations ranging from welder and machinist to industrial engineering technician and semiconductor processing technician.

Robotics and Automation Technology Program of Study

The Robotics and Automation Technology program of study focuses on occupational and educational opportunities associated with the assembly, operation, maintenance, and repair of electromechanical equipment or devices. This program of study includes exploration of a variety of mechanical fields, including robotics, refinery and pipeline systems, deep ocean exploration, and hazardous waste removal.

Successful completion of the Robotics and Automation Technology program of study will fulfill requirements for the STEM endorsement if the math and science requirements are met or the Business and Industry endorsement if not.



Robotics I	1.0 credit Tier 3	Course #8810 13037000
<p>In Robotics and Automation I, students will transfer academic skills to component designs in a project-based environment through implementation of the design process. Students work individually and in collaborative teams to identify, research, build, program, test, refine, develop, and communicate design solutions using industry practices, standards, and tools. Students will build prototypes or use simulation software to test their designs. The rigorous pace of the course requires students to develop an engineering mindset and be able to often work independently on group tasks that benefit the entire group. Students will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry. Students work towards an industry-based certification.</p> <p><i>** Participation on a Lovejoy Robotics Competition Team is strongly encouraged but not required. Completion of a program requirement form and tryout are required to be on a competition team. The Lovejoy Robotics Competition Teams compete at several local competitions.</i></p>		

Note: This course earns one Technology Applications credit.

Cost: Student fee associated with this course.

Prerequisites: None

Recommended prerequisite: Introduction to Engineering Design (PLTW)

Robotics II

1.0 credit

Course #8811

Tier 3

13037050

In Robotics II, students will explore programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students work individually and in collaborative teams to identify, research, build, program, test, refine, develop, and communicate design solutions using industry practices, standards, and tools. The rigorous pace of the course requires students to develop an engineering mindset and be able to often work independently on group tasks that benefit the entire group. Students work towards an industry-based certification.

*** Participation in the Lovejoy Robotics Competition Team program is a required component for participation in Robotics and Automation II. Completion of a program requirement form and tryout are required to be on a competition team. The Lovejoy Robotics Competition Teams compete at several local competitions.*

Note: This course earns Technology Applications credit.

Cost: Student fee associated with this course.

Prerequisite: Robotics I

Practicum in Manufacturing

2.0 credits

Course #8050

Tier 3

13033000

The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Manufacturing Career Cluster. The Manufacturing Career Cluster focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering. The Practicum in Manufacturing course is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. This course is recommended for students in Grade 12.

Note: This course earns Technology Applications credit.

Prerequisite: none



Transportation, Distribution, and Logistics Career Cluster

The Transportation, Distribution, and Logistics career cluster focuses on careers in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes related professional support services such as transportation infrastructure planning and management, logistics services, and mobile equipment and facility maintenance. This career cluster includes a diverse spectrum of occupations, ranging from automotive mechanic, avionics technician, automotive entrepreneur, pilots to logistics planning professionals.

Project Lead The Way (PLTW) is the only pre-engineering/engineering technology program of its kind in the U.S. It is affiliated with such groups as NASA, the Society of Manufacturing Engineers, American Society of Electrical Engineers, American Society of Manufacturing Engineers, and others. PLTW aims to prepare an increasing and more diverse group of students to be successful in engineering and engineering technology programs. PLTW students have access to a variety of recognition opportunities including scholarships, preferred admission at colleges and universities, internships, industry connections, and other avenues to highlight their achievements.

Aviation Pilots Program of Study

The Aviation Pilots program of study focuses on occupational and educational opportunities associated with the principles and science of flight. This program of study includes the exploration and understanding of aviation engineering, air navigational aids, air traffic controls, and communications equipment to ensure conformance with federal safety regulations.

Successful completion of the Aviation Pilots program of study will fulfill requirements of the Business and Industry endorsement.



Introduction to Aerospace and Aviation	1.0 credit Tier 3	Course #8387 N1304672
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The Introduction to Aerospace and Aviation course will provide the foundation for advanced exploration in the areas of professional pilot, aerospace engineering, and unmanned aircraft systems. Students will learn about the history of aviation, from Leonardo da Vinci's ideas about flight to the Wright brothers and the space race. Along the way students will learn about the innovations and technological developments that have made today's aviation and aerospace industries possible. The course includes engineering practices, the design process, aircraft structure, space vehicles past and present, and a look toward future space exploration. Students will also learn about the wide variety of exciting and rewarding careers available to them. The Introduction to Aerospace and Aviation course will inspire students to consider aviation and other aerospace careers while laying the foundation for continued study in grades 10-12.

Note: This course earns one Technology Applications credit.

Prerequisites: None

Introduction to Unmanned Aerial Vehicles (UAV)	1.0 credit Tier 3	Course #9611 N1304670
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The Introduction to Unmanned Aerial Vehicles (UAV) course will instruct students in UAV flight navigation, industry law and regulations, and safety regulations, as well as mission planning procedures, environmental factors, and human factors in the UAV industry. Students have the opportunity to participate in a drone competition where a drone is built from scratch, program a drone to follow GPS coordinates and design a mechanism to carry and drop balls from the drone. An engineering notebook is created to monitor team progress. The focus of the course is to prepare students to take the FAA Drone 107 Commercial Drone Pilot license.

Note: This course earns one Technology Applications credit.

Prerequisites: For Grades 10-12

Aerospace Engineering (PLTW)	1.0 credit Tier 3	Course #8904 N1303745
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Project Lead the Way (PLTW) Aerospace Engineering ignites students' learning in the fundamentals of atmospheric and space flight. Aerospace Engineering is one of the specialization courses in the PLTW Engineering Program. The course deepens the skills and knowledge of an engineering student within the context of atmospheric and space flight. Students explore the fundamentals of flight in air and space by designing and testing components related to flight such as an airfoil, propulsion system and a rocket. They learn orbital mechanics concepts and apply these by creating models using industry standard software. They also apply aerospace concepts to alternative applications such as a wind turbine and parachute. Students simulate a progression of operations to explore a planet, including creating a map of the terrain within a model satellite and using the map to execute a mission using an autonomous robot. Students study the engineering design process, applying math, science, and engineering standards to identify and design solutions to a variety of real problems. They work individually and in collaborative teams to identify, research, test, refine, develop and communicate design solutions using industry practices, standards, and tools. Students progress from structured activities to complex projects that require detailed planning, documentation, and communication. The rigorous pace of the course requires students to develop an engineering mindset and be able to often work independently on group tasks that benefit the entire group. Students will take an end of year exam.

Note: This course earns one Technology Applications credit.

Cost: Student fee associated with this course.

Prerequisites: None

Recommendation: At least one credit in a Level 2 or higher course in engineering.

Practicum in Transportation Systems**2.0 credits
Tier 3****Course #8388
13040450**

Practicum in Transportation Systems is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Transportation, Distribution, and Logistics Career Cluster. The Transportation, Distribution, and Logistics Career Cluster focuses on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance. This course is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories. The practicum can be either school lab based or work based. Professional portfolios will be created with material supporting an educational and/or career plan for the future.

Note: This course earns one Technology Applications credit.

Prerequisite: None

Fine Arts Courses

Students in high school are required to participate in one fine arts course. In Lovejoy ISD, the high school fine arts course requirement can be satisfied by taking choir, band, orchestra, art, dance, color guard, or theatre. All courses offered in this section meet the state fine arts requirement.

Art

Art I	1.0 credit Tier 3	Course #7601 03500100
<p>Art I is an introduction into visual art that focuses on practice and process to develop technical skill, artistic confidence and personal voice. This studio based course provides a foundation in a wide range of 2D and 3D art forms and applications from drawing and painting to ceramics and sculpture. Students will experience a variety of mediums through prompts and media explorations that develop their own artistic voice. Regardless of prior knowledge or skill, Art I provides each student with a foundation of media and process exploration, application and technique practice, and creative problem solving to prepare them for any art course that lies ahead. Media include: graphite, watercolor, wood sculpture, acrylic, reduction block printing, colored pencil, hand-built ceramics, digital drawing/painting, collage, wire sculpture, and more.</p> <p><i>Cost: Student fee associated with this course.</i> <i>Prerequisites: None</i></p>		
Art I Accelerated	1.0 credit Tier 3	Course #7602 03500100
<p>The focus of this course is on artistic and creative breadth, media exploration, and technical excellence. While this class is an introductory course, it is focused on heightening the students' current understanding, passion, ability, vocabulary, and voice in the visual arts. This is a process-based experience that is meant to foster creative problem-solving, exploration, risk-taking, and artistic verve. The focus of this class will follow and encompass the elements of art and the principles of design through numerous materials and applications, which will guide exploration of numerous 2-dimensional and 3-dimensional art forms. Emphasis for the year will be to strengthen the ability to create works of art that express individual voice in a field of mediums while utilizing and learning the Elements of Art and Principles of Design. This class provides a foundation of artistic media, theory, style, and ideas which can be built upon in classes to follow.</p> <p><i>Cost: Student fee associated with course.</i> <i>Prerequisites: Portfolio Submission and Instructor Recommendation</i></p>		
Art II: Drawing and Painting	1.0 credit Tier 3	Course #7622 03500600
<p>In this second-year course, students build on the skills, applications, and materials from Art I to develop their personal voice through drawing and painting based approaches and artforms. This studio course focuses on developing a broad vocabulary of drawings and painting experiences as a foundation for students' personal voice and ideation. While primarily focused on drawing and painting, students will explore a wide variety of media such as collage, printmaking, assemblage, mixed-media, pen and ink, graphite, charcoal, colored pencil, watercolor, gouache, acrylic, oil paint, collage, textiles, printmaking and digital painting. Students in all second-year courses will create a "range" of work based on classroom prompts that build and demonstrate your use and understanding of different media and approaches in connection to the elements and principles of design. The second portion of your work will fall into the category of "Sustained Investigation." This body of work will demonstrate personal inquiry through art and design and the relationship between materials, processes, and ideas. As preparation for AP Art and Design courses, this portfolio of work will include planning, process documentation, finished work, and</p>		

written reflection in demonstration of the artist's personal inquiry and ideas. The framework for this course is built to mirror that of AP Art and Design courses; to help students become inquisitive, thoughtful artists and designers able to articulate information about their work.

Cost: Student fee associated with this course.

Prerequisites: Art I or Art I Accelerated and Portfolio Submission

Art II: Drawing and Painting Accelerated

1.0 credit **Course #7624**
Tier 3 **03500600**

As an accelerated version of a second-year drawing course, this class is meant to foster a foundational breadth of knowledge to prepare students to confidently develop their artistic language, skillset, and personal voice. Students will explore a wide variety of approaches and applications with each drawing and painting media studied. Media practice and experiments include water soluble graphite, powdered charcoal, ink and brush, pen, liquid acrylic, oil paint, drypoint engraving, monotype, gouache, watercolor pencil, and more. Students in all second year courses will create a "range" of work based on classroom prompts that build and demonstrate the use and understanding of different media and approaches in connection to the elements and principles of design. The second area of study will fall into the category of "Sustained Investigation." This body of work will demonstrate personal inquiry through art and design and the relationship between materials, processes, and ideas. As preparation for AP Art and Design courses, this portfolio of work will include planning, process documentation, finished work, and written reflection in demonstration of the artist's personal inquiry and ideas. The framework for this course is built to mirror that of AP Art and Design courses; to help students become inquisitive, thoughtful artists and designers able to articulate information about their work.

Note: Students participating in accelerated Art and AP Art courses are encouraged to purchase a personal art kit including a portfolio and individual tools/media.

Cost: Student fee associated with course.

Prerequisites: Art I or Art I Accelerated and Portfolio Submission

Art II: Sculpture and Ceramics

1.0 credit **Course #7626**
Tier 3 **03501300**

In this second-year course, students build on the skills, applications, and materials from Art I to develop their personal voice through 3-dimensional approaches and artforms. This studio course focuses on developing a broad vocabulary of 3-dimensional design and sculpture experiences as a foundation for your personal voice and ideation. Focus will be placed equally on form and function in sculptural work, including materials and techniques such as functional hand built ceramics, slip casting, wheel thrown ceramics, wood carving, assemblage, wood construction, book making, wire sculpture, lamp building, life/resin casting, and more. Students in all second-year courses will create a "range" of work based on classroom prompts that build and demonstrate the use and understanding of different media and approaches in connection to the elements and principles of design. The second portion of work will fall into the category of "Sustained Investigation." This body of work will demonstrate personal inquiry through art and design and the relationship between materials, processes, and ideas. As preparation for AP Art and Design courses, this portfolio of work will include planning, process documentation, finished work, and written reflection in demonstration of the artist's personal inquiry and ideas. The framework for this course is built to mirror that of AP Art and Design courses; to help students become inquisitive, thoughtful artists and designers able to articulate information about their work.

Cost: Student fee associated with this course.

Prerequisites: Art I or Art I Accelerated and Portfolio Submission

Art III: Drawing and Painting **1.0 credit** **Course #7641**
Tier 3 **03501300**

As a third-year art course, Art III: Drawing and Painting brings focus to students' individual voices and ideas through a variety of drawing and painting materials and processes. This studio based course challenges students to use their previous knowledge and practice with drawing media to explore new applications in connection to their personal voice and inquiry. Students will create two bodies of work: a "range" of work based on classroom prompts that build and demonstrate the artist's use and understanding of different media and approaches in connection to the elements and principles of design. This range of experiences will include experimentation of paint and stick media on a variety of surfaces, abstraction and conceptual expression, presentation and framing of work, synthesis between media and idea, and countless media and material experiments. Students will also create a "Sustained Investigation," demonstrating personal inquiry through drawing and painting and synthesis between their materials, processes, and ideas. To prepare for AP Art and Design courses, the portfolio work will include planning, process documentation, finished work, and reflection in demonstration of the artist's personal inquiry and ideas. The framework for this course is built to mirror that of AP Art and Design courses; to help students become inquisitive, thoughtful artists and designers able to articulate information about their work.

Cost: Student fee associated with this course.

Prerequisites: Art I or Art I Accelerated, Art II: Drawing and Painting or Art II: Drawing and Painting Accelerated, and Portfolio Submission

Art III: Sculpture and Ceramics **1.0 credit** **Course #7646**
Tier 3 **03501900**

As a third-year art course, Sculpture and Ceramics brings focus to students' individual voices and ideas through a variety of sculptural processes and materials. This studio based course challenges students to use their previous knowledge and practice in 3-dimensional artforms to explore new applications in connection to their personal voice and inquiry. Students will create two bodies of work: a "range" of work based on classroom prompts that build and demonstrate the artist's use and understanding of different media and approaches in connection to the elements and principles of design. This range of experiences will include experimentation with different clay bodies, glaze applications, installation work, furniture design, abstraction, and unconventional media. Students will also create a "Sustained Investigation," demonstrating personal inquiry through 3-dimensional and sculptural applications and synthesis between their materials, processes, and ideas. This body of work will demonstrate personal inquiry through art and design and the relationship between materials, processes, and ideas. As preparation for AP Art and Design courses, this portfolio of work will include planning, process documentation, finished work, and written reflection in demonstration of the artist's personal inquiry and ideas. The framework for this course is built to mirror that of AP Art and Design courses to help students become inquisitive, thoughtful artists and designers able to articulate information about their work.

Cost: Student fee associated with this course.

Prerequisites: Art I or Art I Accelerated, Art II: Sculpture and Ceramics, and Portfolio Submission

AP 2-D Art and Design **1.0 credit** **Course #7683**
Tier 1 **A3500400**

The AP 2-D Art and Design is a studio-focused course designed for highly motivated students who seek to develop their personal voice and visual communication through the creation of 2-dimensional work using the Elements and Principles of Design. Students create a portfolio of work to demonstrate personal inquiry through art and design and the relationship between materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. Students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions, critique, and reflection. The AP Art and Design course framework presents an inquiry-based approach to learning about and making art and design. Students are

expected to create work using a range of materials and applications in preparation of conducting an in-depth, sustained investigation of materials, processes, and ideas. The framework focuses on concepts and skills emphasized within college art and design foundations courses with the same intent: to help students become inquisitive, thoughtful artists and designers able to articulate information about their work. The course prepares students for the AP exam. Students are responsible for the cost of the exam.

Note: This course also includes a summer assignment.

Cost: AP exam and course fees.

Prerequisites: Art I or Accelerated Art I and Art II: Drawing and Painting or Art II: Drawing and Painting Accelerated

AP Drawing

1.0 credit Course #7686
Tier 1 A3500300

The AP Drawing is a studio-focused course designed for highly motivated students who seek to develop their personal voice and visual communication through the creation of work focused on drawing issues of mark-making, line, surface, space, light and shade, and composition. Students create a portfolio of work to demonstrate personal inquiry through art and design and the relationship between materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. Portfolios are evaluated based on specific criteria, including skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions, critique, and reflection. The AP Art and Design course framework presents an inquiry-based approach to learning about and making art and design. Students are expected to create work using a range of materials and applications in preparation of conducting an in-depth, sustained investigation of materials, processes, and ideas. The framework focuses on concepts and skills emphasized within college art and design foundations courses with the same intent: to help students become inquisitive, thoughtful artists and designers able to articulate information about their work. The course prepares students for the AP exam. Students are responsible for the cost of the exam.

Cost: AP exam and course fees.

Prerequisites: Art I or Accelerated Art I, Art II: Drawing and Painting, or Art II: Drawing and Painting Accelerated, and AP 2-D Art and Design

AP 3-D Art and Design

1.0 credit Course #7684
Tier 1 A3500500

The AP 3-D Art and Design is a studio-focused course designed for highly motivated students who seek to develop their personal voice and visual communication through the creation of 3-dimensional work using the Elements and Principles of Design. Students create a portfolio of work to demonstrate personal inquiry through art and design and the relationship between materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. Students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions, critique, and reflection. The AP Art and Design course framework presents an inquiry-based approach to learning about and making art and design. Students are expected to create work using a range of materials and applications in preparation of conducting an in-depth, sustained investigation of materials, processes, and ideas. The framework focuses on concepts and skills emphasized within college art and design foundations courses with the same intent: to help students become inquisitive, thoughtful artists and designers able to articulate information about their work. The course prepares students for the AP exam. Students are responsible for the cost of the exam.

Note: This course also includes a summer assignment.

Cost: AP exam and course fees.

Prerequisites: Art I or Art I Accelerated and Art II: Ceramics and Sculpture

AP Art History	1.0 credit	Course #7681
	Tier 1	A3500100
<p>Art is the reflection of the time, place, and people that produced it. AP Art History, equivalent to an introductory college art history course, teaches an understanding and enjoyment of painting, architecture, sculpture, and other art forms within their historical and cultural context. Students examine major forms of artistic expression, from the ancient world to the present, from a variety of cultures. Students learn to look at works of art critically and with sensitivity in order to describe, interpret and analyze what they see. Students will gain an in-depth knowledge of the subject, as well as form-disciplined study habits that can contribute to college success. The course is designed to meet the college standards, but no prior art experience is required or strong studio art skills predict success in this course. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Note: This course also includes a summer assignment.</i> <i>Cost: AP exam and course fees.</i> <i>Prerequisites: None</i></p>		

Art Practicum: Gallery Management and Curation	1.0 credit	Course #7650
	Tier 3	84500PMC
<p>The Gallery Management and Curation Practicum is for highly motivated and experienced visual art students who are seeking hands-on experience managing, curating and displaying student work in the Lovejoy Visual Art Gallery and surrounding community. Students will work individually and as a team as they learn to prepare a space/wall, develop a show prospectus, jury and curate an exhibition, frame and install work, create print ready digital catalogs of work, design and compose print ready advertising/promotion materials, and curate web based/digital exhibition platforms. This course is focused on equipping students with experience in multiple aspects, approaches, and methods to prepare, organize, and exhibit student work of all ages.</p> <p><i>Prerequisites: Art I courses, Art II courses, and Instructor Invitation</i></p>		

Orchestra

Orchestra	1.0 credit	Tier 3
<p>Orchestra placement is proficiency based, not grade level. Focus is on refinement of string techniques, musicality and music-reading skills. Students are required to perform at all concerts and are encouraged to participate in All-Region Orchestra and UIL Solo/Ensemble contests. Individual preparation and development is expected throughout the year. Before and after school rehearsals are required.</p> <ul style="list-style-type: none"> • Concert Orchestra is a Sub/Non Varsity level course designed for students who have demonstrated an understanding of string fundamentals. • Philharmonic Orchestra is a Sub/Non Varsity level course designed for students who have a strong orchestral background and demonstrate mastery of string techniques and skills. • Symphonic Orchestra is a Non Varsity level course designed for students who have a strong orchestral background and demonstrate mastery of advanced string techniques and skills. Focus is on refinement of string techniques, musicality and music reading skills. • Chamber Orchestra is a Varsity level course designed for students who have a strong orchestral background and demonstrate mastery of advanced string techniques and skills. Focus is on refinement of string techniques, musicality and music reading skills. <p><i>Prerequisites: Previous orchestra experience and an audition</i></p>		

	I - 03150500	II - 03150600	III - 03150700	IV - 03150800
Concert	Course #I - 7170	II - 7171	III - 7172	IV - 7173
Philharmonic	Course #I - 7150	II - 7151	III - 7152	IV - 7153
Symphonic	Course #I - 7140	II - 7141	III - 7142	IV - 7143
Chamber	Course #I - 7161	II - 7162	III - 7163	IV - 7164
Applied Music: Orchestra		1.0 credit		Tier 3
<p>Applied music is an extension of your regular music course and allows the advanced student an opportunity for individual study and more opportunities for individual instruction from music staff. This should be in addition to current private lessons. The majority of the first semester will be focused on the study and performance of the Texas All State Etudes. The second semester will be devoted to college audition materials for those moving on and solos and ensembles assigned to the students.</p> <p><i>Prerequisites: Concurrent enrollment in orchestra class and director approval</i></p> <p>Applied Music I Course #7109 03152500 Applied Music III Course #7139 03152601 Applied Music II Course #7110 03152600 Applied Music IV Course #7149 03152602</p>				
AP Music Theory		1.0 credit		Course #7050
		Tier 1		A3150200
<p>AP Music Theory develops a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard and presented in a score, by addressing fundamental aural, analytical, and compositional skills using written and listening exercises. It then builds on this foundation, progressing to more creative tasks (i.e, harmonization with appropriate chords, composing a bass line to provide two-voice counterpoint, or the realization of figured-bass notation) in preparation for the AP Music Theory exam. To drop a fine arts ensemble to enroll in this course, students must obtain teacher approval from ensemble and theory teachers. Students must enroll in both semesters. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i></p> <p><i>Prerequisites: Instructor approval, choir, orchestra or band experience for the past 2 years, ability to read music and basic understanding of voice or instrument</i></p>				

Band and Color Guard

Band	1.0 credit	Tier 3
<p>Marching Band concentrates on music for UIL and marching competitions, civic functions, pep rallies, and football games, while also working on All-Region and concert music. Supplemental instruction is available. Participation in Solo/Ensemble, before and after school rehearsals are required. The fall semester of marching band can count towards a student's P.E. requirement.</p> <ul style="list-style-type: none"> • Instrumental Ensemble (non-varsity level), as known as Wind Ensemble, comprises Marching Band/Concert Band in the fall and Concert Band in the spring (students must enroll in both semesters). • Symphonic Band (sub non-varsity level) comprises Marching Band/Concert Band in the fall and Concert Band in the spring (students must enroll in both semesters). • Instrumental Ensemble (non-varsity level), as known as Wind Ensemble, comprises Marching Band/Concert Band in the fall and Concert Band in the spring (students must enroll in both semesters). 		

- Wind Symphony (varsity level), comprises Marching Band in the fall and Concert Band in the spring (student must enroll in both semesters).

Prerequisites: Previous band experience and audition

Symphonic Band

Symphonic Band I	Course #7101	03150100
Symphonic Band II	Course #7102	03150200
Symphonic Band III	Course #7103	03150300
Symphonic Band IV	Course #7104	03150400

Symphonic Band I PE	Course #7154	PES00012
Symphonic Band II PE	Course #7155	PES00012
Symphonic Band III PE	Course #7156	PES00012
Symphonic Band IV PE	Course #7157	PES00012

Wind Ensemble

Wind Ensemble I	Course #7126	03150100
Wind Ensemble II	Course #7127	03150200
Wind Ensemble III	Course #7128	03150300
Wind Ensemble IV	Course #7129	03150400

Wind Ensemble I PE	Course #7144	PES00012
Wind Ensemble II PE	Course #7145	PES00012
Wind Ensemble III PE	Course #7146	PES00012
Wind Ensemble IV PE	Course #7147	PES00012

Wind Ensemble I Percussion	Course #7158	PES00012
Wind Ensemble II Percussion	Course #7159	PES00012
Wind Ensemble III Percussion	Course #7160	PES00012
Wind Ensemble IV Percussion	Course #7165	PES00012

Wind Ensemble I Percussion PE	Course #7166	PES00012
Wind Ensemble II Percussion PE	Course #7167	PES00012
Wind Ensemble III Percussion PE	Course #7168	PES00012
Wind Ensemble IV Percussion PE	Course #7169	PES00012

Wind Symphony

Wind Symphony I	Course #7115	03150100
Wind Symphony II	Course #7116	03150200
Wind Symphony III	Course #7117	03150300
Wind Symphony IV	Course #7118	03150400

Wind Symphony I PE	Course #7135	PES00012
Wind Symphony II PE	Course #7136	PES00012
Wind Symphony III PE	Course #7137	PES00012
Wind Symphony IV PE	Course #7138	PES00012

Wind Symphony I Percussion	Course #7120	PES00012
Wind Symphony II Percussion	Course #7130	PES00012
Wind Symphony III Percussion	Course #7134	PES00012
Wind Symphony IV Percussion	Course #7148	PES00012
Wind Symphony I Percussion PE	Course #7174	PES00012
Wind Symphony II Percussion PE	Course #7175	PES00012
Wind Symphony III Percussion PE	Course #7176	PES00012
Wind Symphony IV Percussion PE	Course #7177	PES00012

Color Guard and Winter Guard

1.0 credit

Tier 3

Color Guard is a part of the high-school band program and is a semester-long course that participates in the marching band contests and UIL Marching Competition throughout the fall Semester. Color Guard students perform during half time and pep rallies as well as any other special engagements like parades. All students are welcome to audition for the color guard including non-band members. All students acquire skills in several varieties of equipment including flag, rifle, and saber.

Note: Students will receive 0.5 credit P.E. for marching band during the fall semester for years 1 and 2, and Fine Arts credit for years 3 and 4.

Prerequisites: Audition and band director approval

Color Guard I	Course #7410	03150100	Color Guard I PE	Course #7105	PES00012
Color Guard II	Course #7411	03150200	Color Guard II PE	Course #7106	PES00012
Color Guard III	Course #7412	03150300			
Color Guard IV	Course #7413	03150400			

Jazz Ensemble

1.0 credit

Tier 3

The Jazz Ensemble is an extension of Wind Ensemble/Wind Symphony. This ensemble promotes the growth and performance of jazz and related music styles, as well as improvisation techniques. The Jazz Ensemble participates in community service concerts, civic performances, a jazz competition/festival during the spring semester, and when possible, the Spring Trip. Musicians are required to audition for All-Region Jazz Ensemble early in the fall semester. Students must be concurrently enrolled in Wind Ensemble/Wind Symphony and both semesters of this course, except in special circumstances requiring director's approval for rhythm instruments (i.e. piano, guitar, bass).

Prerequisites: Audition

Jazz Ensemble I	Course #7121	03151300	Jazz Ensemble III	Course #7123	03151500
Jazz Ensemble II	Course #7122	03152400	Jazz Ensemble IV	Course #7124	03151600

Applied Music: Band	1.0 credit	Tier 3												
<p>Applied Music is a guided independent study above and beyond the requirements in other band courses. Students will spend time preparing all region music, solos and ensembles, and other auditions material throughout the year. The course has a concert attendance requirement as well as scale requirements above and beyond the normal band class. This class is designed for any advanced student wanting more private instruction and live performance opportunities as they prepare for auditions and concerts.</p> <p><i>Prerequisites: Concurrent enrollment in band class and band director approval</i></p> <table border="0"> <tr> <td>Applied Music I</td> <td>Course #7180</td> <td>03152500</td> <td>Applied Music III</td> <td>Course #7182</td> <td>03152601</td> </tr> <tr> <td>Applied Music II</td> <td>Course #7181</td> <td>03152600</td> <td>Applied Music IV</td> <td>Course #7183</td> <td>03152602</td> </tr> </table>			Applied Music I	Course #7180	03152500	Applied Music III	Course #7182	03152601	Applied Music II	Course #7181	03152600	Applied Music IV	Course #7183	03152602
Applied Music I	Course #7180	03152500	Applied Music III	Course #7182	03152601									
Applied Music II	Course #7181	03152600	Applied Music IV	Course #7183	03152602									

AP Music Theory	1.0 credit	Course #7050
	Tier 1	A3150200
<p>AP Music Theory develops a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard and presented in a score, by addressing fundamental aural, analytical, and compositional skills using written and listening exercises. It then builds on this foundation, progressing to more creative tasks (i.e, harmonization with appropriate chords, composing a bass line to provide two-voice counterpoint, or the realization of figured-bass notation) in preparation for the AP Music Theory exam. To drop a fine arts ensemble to enroll in this course, students must obtain teacher approval from ensemble and theory teachers. Students must enroll in both semesters. The course prepares students for the AP exam. Students are responsible for the cost of the exam.</p> <p><i>Cost: AP exam fee</i></p> <p><i>Prerequisites: Instructor approval, choir, orchestra, or band experience for the past 2 years, ability to read music, and a basic understanding of voice or instrument</i></p>		

Choir

Choir	1.0 credit	Tier 3
<p>A basic understanding of music fundamentals is helpful but not necessary. Students must participate in a number of public performances throughout the year and are encouraged to participate in regional and state vocal contests. Students compete in UIL and other various competitions as an ensemble.</p> <ul style="list-style-type: none"> • Junior Varsity Treble Choir is designed for students with little to no experience in high school choir. • Junior Varsity Tenor/Bass Choir is designed for students with little to no experience in high school choir. • Junior Varsity Mixed Choir is designed for students who have taken a high school choir class and possess intermediate vocal and musical skills. • Varsity Mixed Choir is an audition-only upper-level choir for students who have a strong choir background and advanced vocal and musical skills. • A Cappella is an audition-only upper-level choir for students who have advanced vocal and musical skills. These students will develop skills in A Cappella performance and will perform in high level jazz, pop, and madrigal styles. Students must be concurrently enrolled in a Varsity Choir. 		

	I - 03150900	II - 03151000	III - 03151100	IV - 03151200
Junior Varsity Treble Choir	Course #I - 7201	II - 7202	III - 7203	IV - 7204
Junior Varsity Tenor/Bass Choir	Course #I - 7210	II - 7230	III - 7240	IV - 7509
Junior Varsity Mixed Choir	Course #I - 7250	II - 7251	III - 7252	IV - 7253
Varsity Mixed Choir	Course #I - 7211	II - 7212	III - 7213	IV - 7214
A Capella	Course #I - 7224	II - 7225	III - 7226	IV - 7227

Applied Music: Choir **1.0 credit** **Tier 3**

Applied Music is a guided independent study above and beyond the requirements in other band courses. Students will spend time preparing all region music, solos and ensembles, and other auditions material throughout the year. The course has a concert attendance requirement as well as scale requirements above and beyond the normal band class. This class is designed for any advanced student wanting more private instruction and live performance opportunities as they prepare for auditions and concerts.

Prerequisites: Concurrent enrollment in band class and choir director approval

Applied Music I Course #7109	03152500	Applied Music III Course #7139	03152601
Applied Music II Course #7110	03152600	Applied Music IV Course #7149	03152602

AP Music Theory **1.0 credit** **Course #7050**
Tier 1 **A3150200**

AP Music Theory develops a student's ability to recognize/understand/describe the basic materials/processes of music that are heard/presented in a score, by addressing fundamental aural/analytical/compositional skills using written/listening exercises. It then builds on this foundation, progressing to more creative tasks (i.e, harmonization with appropriate chords, composing a bass line to provide two-voice counterpoint, or the realization of figured-bass notation) in preparation for the AP Music Theory exam. To drop a fine arts ensemble to enroll in this course, students must obtain teacher approval from ensemble and theory teachers. Students must enroll in both semesters. The course prepares students for the AP exam. Students are responsible for the cost of the exam.

Cost: AP exam fee

Prerequisites: Instructor approval; choir/orchestra/band for past 2 years; read music; basic understanding of voice or instrument

Dance

Pre-Dance **1.0 credit** **Tier 3**

The Pre-Dance class is designed for students interested in auditioning for the Majestics Dance Team. The course will cover stretching, conditioning, dance technique, kick technique, guidelines, and expectations of the Majestic Dance Team to best prepare students for the audition process in December. Pre-Dance offers the student the opportunity to focus on elements and dance technique valuable to auditions. This course does not obligate students to audition for Majestics nor does it guarantee students a spot on the team. Although the class is not mandatory, all students interested in becoming a member of the Majestics Dance Team are highly encouraged to complete the course.

Note: This course can be counted as Fine Arts credit or substituted for P.E. credit.

Prerequisites: None

Fine Arts Credit

Pre-Dance I	Course #7401	03833300
Pre-Dance II	Course #7431	03833400
Pre-Dance III	Course #7441	03833500

Physical Education Credit

Pre-Dance I PE	Course #7422	PES00014
Pre-Dance II PE	Course #7433	PES00008

Dance Team: Majestics**1.0 credit****Tier 3**

The dance team is a precision performing group. Performances include athletic events, competition and stage shows. Placement is determined by a December audition. Majestics must have strong skills in overall dance technique and show proficiency in a variety of styles such as jazz, contemporary, hip hop, Broadway and lyrical. An interested student must also exhibit good flexibility for the high kick and splits.

Note: This course can be counted as Fine Arts credit (Spring Semester) or substituted as P.E. credit (Fall or Spring Semester).

Prerequisites: December audition

Fine Arts Credit

Majestics I	Course #7402	03833300
Majestics II	Course #7403	03833400
Majestics III	Course #7404	03833500
Majestics IV	Course #7400	03833600

Physical Education Credit

Majestics I PE	Course #7444	PES00008
Majestics II PE	Course #7444	PES00008

Studio Dance**1.0 credit****Tier 3**

Studio Dance students build vocabulary and skills in ballet, jazz, modern, tap, and other genres. Dance history, choreography, and performance skills are also covered in these courses. Discussions and coursework on healthy lifestyles and body mechanics are also incorporated into the classes. The students will perform choreographed works in a formal Spring Dance concert. Appropriate dance shoes and attire are required.

- Studio Dance I is designed as an introductory course for students interested in dance.
- Studio Dance II is an intermediate course focusing on technique, conditioning, and developing choreography skills.
- Studio Dance III is designed for the talented dance student interested in pursuing dance professionally. This class will explore the possibilities and interpretation of movement through advanced technique and choreography in ballet, modern, jazz and other genres.
- Studio Dance IV is a continuation of Studio Dance III and will review the collegiate dance audition process and careers in dance performance.

Note: This course can be counted as Fine Arts credit or substituted for P.E. credit.

Prerequisites: None

Fine Arts Credit

Studio Dance I	Course #7405	03830100
Studio Dance II	Course #7406	03830200
Studio Dance III	Course #7407	03830300
Studio Dance IV	Course #7408	03830400

Physical Education Credit

Studio Dance I PE	Course #7421	PES00014
Studio Dance II PE	Course #7423	PES00023

Theatre

Introduction to Theatre	1.0 credit	Course #7300
	Tier 3	03251300
<p>This survey course gives students a peek into the world of drama. Teamwork, improvisation, basic acting skills, and theatrical history are highlighted in the first semester. Students are expected to perform monologues, scenes, and improvisations in a studio setting.</p> <p><i>Prerequisite: None</i></p>		
Theatre: Acting	1.0 credit	Tier 3
<p>These acting-concentrated classes teach acting through a variety of theories. Students spend time in a studio atmosphere refining their self-awareness and control, refreshing and refining their basic actor skills, learning audition basics and creating audition support materials, refining basic actor skills, and using monologues to experiment with different genres ranging from children's theater to serious historical dramas.</p> <p><i>Prerequisite: Introduction to Theatre or director approval</i></p>		
Theatre Acting I	Course #7301	03250100
Theatre Acting II	Course #7302	03250200
Theatre Acting III	Course #7305	03250300
Theatre Acting IV	Course #7306	03250400
Theatre: Technical Theatre	1.0 credit	Tier 3
<p>Technical Theatre teaches fundamentals including safety, scenic construction, scenic painting, stage lighting, sound/audio, properties, costume construction make-up, and theatrical design. In class, students will also contribute to all Lovejoy Theatre productions. Students will frequently work in the scene shop and are required to pass a safety exam at the beginning of the year.</p> <p><i>Prerequisite: Introduction to Theatre or director approval</i></p>		
Technical Theatre I	Course #7311	03250500
Technical Theatre II	Course #7312	03250600
Technical Theatre III	Course #7313	03251100
Technical Theatre IV	Course #7314	03251200
Theatre: Technical Theatre Management	1.0 credit	Tier 3
<p>Theatre Management affords students the opportunity to acquire and develop administrative skills that are commonly used in the management of theatre spaces and productions. Students apply a myriad of technical theatre concepts and skills along with developing knowledge and skills associated with production responsibilities, arts administration, theatre management and applications of previously acquired theatre arts studies. Students are encouraged to exercise and develop creativity, develop intellectual curiosity, and apply critical thinking, problem solving, and collaborative skills. Participation and evaluation in a variety of theatrical experiences will afford students opportunities to develop an understanding of self and their role in the world.</p> <p><i>Prerequisite: Introduction to Theatre or director approval</i></p>		
Technical Theatre Management II	Course #7319	03253800
Technical Theatre Advanced Theatre Management III	Course #7320	03253900
Technical Theatre Advanced Theatre Management IV	Course #7321	03254000

Theatre: Production**1.0 credit****Tier 3**

The focus of this class is to provide support and enrichment for the productions being produced on the Lovejoy stage. First semester, this varsity-level advanced theatre class is required to participate in both a fall show and the musical, in addition to producing their own production show as a class for an audience. Second semester, this class is the primary participating company for the UIL One-Act Play contest. Because of the competitive nature of college/professional theatre, admission to this class is by audition only. Significant outside work is required.

Prerequisites: Audition or director approval

Theatre Production I Course #7322 03250700 Theatre Production III Course #7315 03250900
Theatre Production II Course #7307 03250800 Theatre Production IV Course #7316 03251000

Theatre: Principles of Directing**1.0 credit****Tier 3**

Principles of Directing is an introduction to the theory and technique of directing for the state. The course is designed for advanced actors to develop a better understanding of the processes and responsibilities of the director. Student directors will get the opportunity to direct beginning student actors, exploring and developing various aspects of directing, including blocking, scheduling, designing, and communicating with actors and production staff.

Prerequisite: Director approval

Theatre Directing I Course #7317 03251700 Theatre Directing II Course #7318 03251800

Health and Physical Education Courses

Students are required to earn one Physical Education credit. Students may substitute certain physical activities, including drill team, marching band, cheerleading and athletics.

Health		0.5 credit	Course #5000
		Tier 3	03810100
<p>This course focuses on the aspects of good physical and mental health. Topics include proper body functioning, safety and first aid, health problem awareness, and the development of healthful attitudes and habits. Health I is required for high school graduation.</p> <p><i>Prerequisites: None</i></p>			
Lifetime Fitness and Wellness Pursuits		1.0 credit	Course #5916
		Tier 3	PES00051
<p>This course represents a new approach in Physical Education and the concept of personal fitness, and is a recommended prerequisite for all other Physical Education courses. It motivates students to strive for lifetime personal fitness, emphasizing the health-related components of physical fitness. The concept of wellness (striving for optimal health) is the cornerstone of this course. Students design their own personal fitness programs.</p> <p><i>Prerequisites: None</i></p>			
Lifetime Recreation and Outdoor Pursuits		0.5 credit	Tier 3
<p>Lifetime Recreation and Outdoor Pursuits is a fun and exciting co-ed physical education course. Students are taught life-long skills by using an integrated curriculum of science, math, writing, critical thinking skills, and computer technology. The focus is on outdoor skills such as: archery, hunting, orienteering, survival skills, first aid, trip planning, angling, tackle crafts, hiking, backpacking, camping, outdoor cooking, conservation and environmental issues and certifications through the Texas Parks and Wildlife Department (TPWD). On campus activities include: archery, angling, first aid, survival skills, trip planning, tackle crafts, and orienteering. Students develop an appreciation for team work, fair play, and the concept of incorporating physical activity into their lifestyles.</p> <p><i>Prerequisites: None</i></p>			
Lifetime Recreation and Outdoor Pursuits Fall		Course #7077A	PES00053
Lifetime Recreation and Outdoor Pursuits Spring		Course #7077B	PES00053
Cheerleading		0.5 credit	Tier 3
<p>Cheerleading emphasizes curricular and extracurricular activities that promote school spirit. Cheerleaders are involved in summer camps, pep rallies, games, and state competitions.</p> <p><i>Prerequisites: Tryouts and selection, and instructor recommendation</i></p>			
Fall		Spring	
Cheerleading I	Course #5728	PES00013	Cheerleading I
Cheerleading II	Course #5733	PES00001	Cheerleading II
Cheerleading III	Course #5735	PES00002	Cheerleading III
Cheerleading IV	Course #5737	PES00003	Cheerleading IV
			Course #5729
			PES00013
			Course #5734
			PES00001
			Course #5736
			PES00002
			Course #5738
			PES00003

Off-Campus Physical Education

0.5 credit

Tier 3

Many students in Texas school districts participate in individual fitness activities that are not offered comprehensively by the district physical education program. The Off-Campus Physical Education (OCPE) Program allows students in grades seven through twelve to earn school credits for their commitment to these activities, if the activity is approved by the Texas Education Agency and the Lovejoy Independent School District. Approved activities are limited to those not currently offered by the school district.

The program is a cooperative arrangement between Lovejoy Independent School District, the student, and an approved off-campus agency selected by the student. The student receives 0.5 credit of physical education credit per semester. A total of 4 credits of physical education may be earned towards state high school graduation requirements.

Activities Currently Approved: Leopard Lacrosse, Leopard Hockey, Gymnastics, Equestrian, Rock Climbing, Dance, Ice Skating, Art Skating, Fencing, Martial Arts, Squash, Track Cycling

Activities NOT Approved: Fitness Centers, Home Fitness Training, and any sport offered by Lovejoy ISD

Prerequisites: Tryouts and selection, and instructor recommendation

State criteria list two levels of OCPE participation:

- Level I - participation and/or competition includes a minimum of 15 hours per week of highly intense, professional, supervised training. The training facility, instructors, and the activities involved in the program must be certified by Lovejoy ISD OCPE Campus Coordinator to be of exceptional quality. Students qualifying and participating at this level may be dismissed from school one period per day.

Fall

Off Campus PE I Course #5879 PES00008
Off Campus PE II Course #5883A PES00009
Off Campus PE III Course #5885 PES00010
Off Campus PE IV Course #5887 PES00011

Spring

Off Campus PE I Course #5880 PES00008
Off Campus PE II Course #5884B PES00009
Off Campus PE III Course #5886 PES00010
Off Campus PE IV Course #5888 PES00011

- Level II – participants will attend private or commercially-sponsored physical activities to include those certified by Lovejoy ISD OCPE Campus Coordinator 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.

Off Campus PE Level II Year 1 Course #5900 PES00008
Off Campus PE Level II Year 2 Course #5900B PES00009
Off Campus PE Level II Year 3 Course #5900C PES00010

Athletic Courses

In athletics, students participate in organized, competitive, team sports. Students enroll in either Boys Athletics or Girls Athletics, then select at least one UIL-sanctioned sport each year. These selections may be changed with a coach's approval during the transition periods between Fall, Winter, and Spring seasons.

Each athlete must participate in at least one sport of his/her choice. You may sign up for any sport; however, you must make the team in order to stay in the class. If you do not make the team, you may change your

schedule within the first two weeks of the semester to any elective classes with available space. If you change your schedule after the first two weeks of the semester, you will be placed in a physical education class.

Athletes must attend practices/games after school and on Saturdays. Athletics is an environment where athletes compete on a team and demonstrate sportsmanship, sacrifice, commitment, and team.

Below is a graphic illustrating the month in which the sport is scheduled and when off-season is held.

Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
off-season			Basketball				off-season		
Cross Country					off-season				
Football				off-season					
off-season				Soccer			off-season		
Tennis									
off-season							Track and Field		
Volleyball		off-season							
off-season			Wrestling				off-season		
off-season						Baseball			
off-season						Softball			
off-season		Swim				off-season			

Baseball			0.5 credit			Tier 3		
<p>All players learn the fundamental techniques and team strategies of the Lovejoy Leopards Baseball Program. Players will have a tryout period for the Fall Semester followed by a Baseball specific off-season program the remainder of the Fall. The Spring will also contain a tryout process to finalize Spring teams. Both Fall and Spring Semesters contain before and/or after school workouts/practices.</p> <p><i>Note: See Athletics Seasons page for more information.</i> <i>Prerequisites: None</i></p>								
Fall			Spring					
Baseball I	Course #2001A	PES00000	Baseball I	Course #2001B	PES00000			
Baseball II	Course #2002A	PES00001	Baseball II	Course #2002B	PES00001			
Baseball III	Course #5703A	PES00002	Baseball III	Course #5703B	PES00002			
Baseball IV	Course #5704A	PES00003	Baseball IV	Course #5704B	PES00003			
Basketball			0.5 credit			Tier 3		
<p>All Basketball players will learn the fundamentals and team strategies of the Lovejoy Leopard/Lovejoy Lady Leopard Basketball programs; attend all practices and games, including tournaments played on Fridays and Saturdays and during the Thanksgiving and Winter Break; participate in another sport or enroll in Off-Season basketball period Conditioning when Basketball is not in-season. Athletes who try out but do not make the team must play another sport or enroll in another elective.</p> <p><i>Note: See Athletics Seasons page for more information.</i> <i>Prerequisites: None</i></p>								

Fall			Spring		
Boys Basketball I	Course #3001A	PES00000	Boys Basketball I	Course #3001B	PES00000
Boys Basketball II	Course #3002A	PES00001	Boys Basketball II	Course #3002B	PES00001
Boys Basketball III	Course #5713A	PES00002	Boys Basketball III	Course #5713B	PES00002
Boys Basketball IV	Course #5714A	PES00003	Boys Basketball IV	Course #5714B	PES00003

Fall			Spring		
Girls Basketball I	Course #4001A	PES00000	Girls Basketball I	Course #4001B	PES00000
Girls Basketball II	Course #4002A	PES00001	Girls Basketball II	Course #4002B	PES00001
Girls Basketball III	Course #5723A	PES00002	Girls Basketball III	Course #5723B	PES00002
Girls Basketball IV	Course #5724A	PES00003	Girls Basketball IV	Course #5724B	PES00003

Cross Country **0.5 credit** **Tier 3**

The Lovejoy Cross Country Team begins workouts in early August. Most meets are held on Saturdays from August to October. Workouts consist of many miles of running to establish a proper base for long distance running. All Lovejoy Cross Country team runners will: learn the fundamental techniques and team strategies of the Lovejoy Leopard/Lovejoy Lady Leopard Cross Country teams; participate in workouts; attend all workouts and meets during the competitive season, including those before and after school and on weekends. At the conclusion of the cross country season, runners enter an off-season program or participate in another sport of choice.

Note: See Athletics Seasons page for more information.

Prerequisites: None

Fall			Spring		
Cross Country I	Course #8081A	PES00000	Cross Country I	Course #8081B	PES00000
Cross Country II	Course #8082A	PES00001	Cross Country II	Course #8082B	PES00001
Cross Country III	Course #5743A	PES00002	Cross Country III	Course #5743B	PES00002
Cross Country IV	Course #5744A	PES00003	Cross Country IV	Course #5744B	PES00003

Football **0.5 credit** **Tier 3**

Football players learn and practice the fundamentals, techniques, and team strategies of the Lovejoy Leopard Football program. All players must attend all games and practices during the football season, including before/after school practices and weekend games. Practices are before or after school each day and some Saturdays. Games are played on Thursday, Friday, or Saturday nights from late August to possibly into December. Practices/games may occur during Thanksgiving break. Athletes participate in another sport or enroll in the off-season football program when Football is not in-season.

Note: See Athletics Seasons page for more information.

Prerequisites: None

Fall			Spring		
Football I	Course #1001A	PES00000	Football I	Course #1001B	PES00000
Football II	Course #1002A	PES00001	Football II	Course #1002B	PES00001
Football III	Course #5763A	PES00002	Football III	Course #5763B	PES00002
Football IV	Course #5764A	PES00003	Football IV	Course #5764B	PES00003

Golf**0.5 credit****Tier 3**

Golfers learn the basic fundamentals of competitive golf and the team strategies of the Lovejoy Leopard/Lady Leopard Golf Teams. The top six players make the tournament teams during the season. All golfers have the opportunity to improve their ranking on the team during the season. All golfers must attend all practices and tournaments, and may be required to provide personal golf equipment and transportation.

Note: See Athletics Seasons page for more information.

Prerequisites: None

Fall

Boys Golf I	Course #6001A	PES00000
Boys Golf II	Course #6002A	PES00001
Boys Golf III	Course #5773A	PES00002
Boys Golf IV	Course #5774A	PES00003

Spring

Boys Golf I	Course #6001B	PES00000
Boys Golf II	Course #6002B	PES00001
Boys Golf III	Course #5773B	PES00002
Boys Golf IV	Course #5774B	PES00003

Fall

Girls Golf I	Course #7001A	PES00000
Girls Golf II	Course #7002A	PES00001
Girls Golf III	Course #5783A	PES00002
Girls Golf IV	Course #5784A	PES00003

Spring

Girls Golf I	Course #7001B	PES00000
Girls Golf II	Course #7002B	PES00001
Girls Golf III	Course #5783B	PES00002
Girls Golf IV	Course #5784B	PES00003

Soccer**0.5 credit****Tier 3**

Soccer players learn the fundamentals, techniques, and team strategies of the Lovejoy Leopard/Lovejoy Lady Leopard soccer teams. All players must participate in all practices and games, including any that may be held during Spring Break. Soccer practice meets after school each day and on some Saturdays.

Note: See Athletics Seasons page for more information.

Prerequisites: None

Fall

Boys Soccer I	Course #8001A	PES00000
Boys Soccer II	Course #8002A	PES00001
Boys Soccer III	Course #5793A	PES00002
Boys Soccer IV	Course #5794A	PES00003

Spring

Boys Soccer I	Course #8001B	PES00000
Boys Soccer II	Course #8002B	PES00001
Boys Soccer III	Course #5793B	PES00002
Boys Soccer IV	Course #5794B	PES00003

Fall

Girls Soccer I	Course #9001A	PES00000
Girls Soccer II	Course #9002A	PES00001
Girls Soccer III	Course #5803A	PES00002
Girls Soccer IV	Course #5804A	PES00003

Spring

Girls Soccer I	Course #9001B	PES00000
Girls Soccer II	Course #9002B	PES00001
Girls Soccer III	Course #5803B	PES00002
Girls Soccer IV	Course #5804B	PES00003

Softball**0.5 credit****Tier 3**

Softball players learn the fundamental techniques and team strategies of the Lovejoy Lady Leopard Softball team. All players must attend all practices and games, including any scheduled during Spring Break. Regular practices are daily before or after school and on some Saturdays.

Note: See Athletics Seasons page for more information.

Prerequisites: None

Fall

Softball I	Course #1011A	PES00000
Softball II	Course #1012A	PES00001
Softball III	Course #5813A	PES00002
Softball IV	Course #5814A	PES00003

Spring

Softball I	Course #1011A	PES00000
Softball II	Course #1012A	PES00001
Softball III	Course #5813A	PES00002
Softball IV	Course #5814A	PES00003

Swimming**0.5 credit****Tier 3**

Swimmers learn the fundamentals of swimming and the team strategies of the Lovejoy Leopard/Lovejoy Lady Leopard swim teams. Previous swim and diving experience is an advantage, but is not required. Swimmers must attend all practices and meets held during the swimming season, including any during Winter Break. Students meet to practice at the Lovejoy swimming facility located on the Sloan Creek Intermediate School Campus. Swimmers may be required to provide transportation; LISD provides bus transportation back to LHS.

Note: See Athletics Seasons page for more information.

Prerequisites: None

Fall

Swim I	Course #2021A	PES00000
Swim II	Course #2022A	PES00001
Swim III	Course #5823A	PES00002
Swim IV	Course #5824A	PES00003

Spring

Swim I	Course #2021B	PES00000
Swim II	Course #2022B	PES00001
Swim III	Course #5823B	PES00002
Swim IV	Course #5824B	PES00003

Tennis**0.5 credit****Tier 3**

Tennis players learn the fundamentals and techniques of competitive tennis and participate on the Lovejoy Leopard/Lady Leopard Tennis teams. Players must participate in all practices and matches. Practices are held before or after school.

Note: See Athletics Seasons page for more information.

Prerequisites: None

Fall

Tennis I	Course #3031A	PES00000
Tennis II	Course #3032A	PES00001
Tennis III	Course #5837A	PES00002
Tennis IV	Course #5838A	PES00003

Spring

Tennis I	Course #3031B	PES00000
Tennis II	Course #3032B	PES00001
Tennis III	Course #5837B	PES00002
Tennis IV	Course #5838B	PES00003

Track and Field**0.5 credit****Tier 3**

Track athletes learn the fundamental techniques and team strategies of the Lovejoy Leopard Track and Field teams, including running, jumping and other track-related techniques. Athletes must attend all practices and meets, including any held during Spring Break. Practices are held either before or after school.

Note: See Athletics Seasons page for more information.

Prerequisites: None

Fall

Boys Track I	Course #4041A	PES00000
Boys Track II	Course #4042A	PES00001
Boys Track III	Course #5843A	PES00002
Boys Track IV	Course #5844A	PES00003

Spring

Boys Track I	Course #4041B	PES00000
Boys Track II	Course #4042B	PES00001
Boys Track III	Course #5843B	PES00002
Boys Track IV	Course #5844B	PES00003

Fall

Girls Track I	Course #5051A	PES00000
Girls Track II	Course #5052A	PES00001
Girls Track III	Course #5853A	PES00002
Girls Track IV	Course #5854A	PES00003

Spring

Girls Track I	Course #5051B	PES00000
Girls Track II	Course #5052B	PES00001
Girls Track III	Course #5853B	PES00002
Girls Track IV	Course #5854B	PES00003

Volleyball**0.5 credit****Tier 3**

Volleyball players learn the fundamental techniques and team strategies of the Lovejoy Lady Leopard volleyball program. All players must attend all practices and games. Practices are held before or after school and on some Saturdays. When volleyball season is over, athletes participate in another sport or enroll in an off-season program.

Note: See Athletics Seasons page for more information.

Prerequisites: None

Fall

Volleyball I	Course #6061A	PES00000
Volleyball II	Course #6062A	PES00001
Volleyball III	Course #5863A	PES00002
Volleyball IV	Course #5864A	PES00003

Spring

Volleyball I	Course #6061B	PES00000
Volleyball II	Course #6062B	PES00001
Volleyball III	Course #5863B	PES00002
Volleyball IV	Course #5864B	PES00003

Wrestling**0.5 credit****Tier 3**

Wrestlers learn the fundamental techniques and team strategies of the Lovejoy Leopard competitive wrestling program. Wrestlers must attend all before or after school practices and meets, including any that may be held during Winter Break. Wrestlers may be required to purchase equipment.

Note: See Athletics Seasons page for more information.

Prerequisites: None

Fall

Boys Wrestling I	Course #7071A	PES00000
Boys Wrestling II	Course #7072A	PES00001
Boys Wrestling III	Course #5873A	PES00002
Boys Wrestling IV	Course #5884A	PES00003

Spring

Boys Wrestling I	Course #7071B	PES00000
Boys Wrestling II	Course #7072B	PES00001
Boys Wrestling III	Course #5873B	PES00002
Boys Wrestling IV	Course #5884B	PES00003

Fall

Girls Wrestling I	Course #7073A	PES00000
Girls Wrestling II	Course #7074A	PES00001
Girls Wrestling III	Course #7075A	PES00002
Girls Wrestling IV	Course #7076A	PES00003

Spring

Girls Wrestling I	Course #7073B	PES00000
Girls Wrestling II	Course #7074B	PES00001
Girls Wrestling III	Course #7075B	PES00002
Girls Wrestling IV	Course #7076B	PES00003