

Leavenworth High School

2020-21 Sophomore Options

The LHS course catalog with complete course descriptions and a guideline of the sequence of courses a student must take during their four years of high school is available on the high school website. Course offerings are subject to change.

Required Courses

(Any required class that has a bullet before the class name denotes a Regents Qualified Admissions Course.)

English

•Sophomore English

EN205

Sophomore English is the second of two English requirements for graduation. Building upon the foundations established in Freshman English, students will gain a broader world view through literature. Students will explore literary themes, improve writing skills, and become more accomplished speakers and listeners. Passing both semesters of a Sophomore English course is required for graduation.

•Sophomore Honors English (Pre-AP)

EN255

(The instructional pacing and delivery of advanced content requires an additional time commitment for this challenging course.)

Sophomore Honors English (Pre-AP) is designed for highly-motivated students who want to develop a lifelong enjoyment of reading and learn to respond to multicultural literature. This course is distinguished from Sophomore English by the instructional pacing and the delivery of advanced content. Students should carefully consider the extra time needed for this challenging course. Students will examine literature from various countries and cultures, and develop written responses in expository and narrative essays. Students will be expected to employ good mechanics in writing and to progress in vocabulary development. The MLA style handbook is required for research papers. Class will require an outside reading list and quarterly novel projects. Passing both semesters of a Sophomore English course is required for graduation.

Mathematics (Determined by your current math instructor)

•Geometry

MA235

Prerequisite: MA125

In this course, students develop inductive and deductive reasoning skills. The goal of this course is to extend and formalize students' geometric experiences by exploring more complex geometric situations and to improve their explanations of geometric relationships, moving toward formal mathematical arguments. Critical areas include geometric vocabulary, transformations, triangle congruence, similarity, and geometric relationships such as right triangle trigonometry; properties of special triangles and quadrilaterals; and theorems involving circles, segments, and angles.

•Honors Geometry (Pre-AP)

MA240

Prerequisite: B or better in MA125

This course covers the topics in the Geometry course in greater depth, and adds 3-D views and cross-sections of solids, geometric probability, and coordinates in 3-D. Emphasis is given to theory underlying mathematical concepts and more challenging problems are included. The course is designed for students who possess a high interest in mathematics and plan to enroll in advanced mathematics courses. We are developing the skills needed to be successful in AP or college mathematics courses, so students can expect homework assignments to require work outside of class time after every class.

•Algebra II

MA345

Prerequisite: MA235

This course extends geometric and algebraic concepts, and introduces topics in probability and statistics. Topics such as polynomial, quadratic and exponential functions and their application, second-degree equations and systems, and matrices are also presented. Objectives from the Kansas Assessment Test will be targeted. Homework assignments require work outside of class time.

•Honors Algebra II (Pre-AP)

MA355

Prerequisite: B or better in MA240 or A in MA235

This course covers the topics in the Algebra II course in greater depth and explores some topics of trigonometry. Emphasis is given to theory underlying the mathematical concepts and more challenging problems are included. This course is designed for students who possess a high interest in mathematics who plan to enroll in advanced mathematics courses during subsequent high school years. We are developing the skills needed to be successful in AP or college mathematics courses, so students can expect homework assignments to require work outside of class time after every class.

Science

•Biology

SC201

Biology I is a course that will challenge students to explore how to solve problems using the scientific method. The state of Kansas life science content will be addressed. The student will study all biological processes and how they relate to the environment. Working with laboratory procedures, and collecting and analyzing data will be emphasized. Relationships between the sciences of chemistry, physics, and biology will be established.

•Honors Biology (Pre-AP)

SC211

Teacher recommendation; recommend taking in the 9th grade

Honors Biology will cover the same subject matter as Biology as well as additional topics, and include more details. Emphasis is given to the development of scientific skills, including developing and using models, obtaining, evaluating, and communicating information, and constructing explanations and designing solutions. This course is for those students who possess either a high interest or ability in science and have taken/are taking geometry or have instructor approval.

•Environmental Science

SC303

Fee required

Environmental Science builds on the foundations of Biology, Chemistry, and Earth/Space Science. It is designed for students to experience the interdisciplinary nature of environmental science. Students will engage in the practices of science and engineering to construct their understanding of the interdependence of organisms, populations, and natural resources; renewable and nonrenewable energy resources; and man's impact on the environment.

•Integrated Science-Natural Disasters (semester) SC106

Fee required

This course will explore the science and history of Natural Disasters and their impact on humankind. Students will learn the scientific concepts underlying the cause and the general effects of each disaster, as well as locations in the U.S. and around the world where each type of disaster is most likely to strike. The natural disasters the class will cover are earthquakes, volcanoes, landslides, avalanches, floods, wildfires, blizzards, ice storms, hurricanes, tsunamis, and tornadoes.

•Integrated Science-Astronomy (semester) SC107

Fee required

This semester course will provide students an opportunity to study the universe, as well as the conditions, properties, and motions of bodies in space. The content includes, but is not limited to, historical astronomy, astronomical instruments, the celestial sphere, the solar system, the earth as a system in space, the earth/moon system, the sun as a star, and stars.

•Integrated Science-Chemistry (semester) SC108

Fee required

This introductory semester course is designed to allow students to explore the basic concepts of chemistry. It offers the subject matter of a traditional chemistry course with a qualitative approach to problem-solving. General areas of study will include properties of matter, the atom, the periodic table of elements, chemical reactions, and acid and bases.

•Integrated Science-Physics (semester) SC109

Fee required

This introductory semester course is designed to allow students to explore the basic concepts of physics. It offers the subject matter of a traditional physics course with a qualitative approach to problem-solving. General areas of study will include force, motion, energy, heat, light, sound, magnetism and electricity.

•Chemistry SC321

Prerequisite: C or better in SC201 & MA125; enrolled in MA235 or higher math; Fee required

This is a one year course in chemistry. Students who successfully complete this course will have an adequate background to enroll in a college level chemistry course. Labs are used to enhance the student's understanding of the content of the course. (Satisfies the physical science requirement.)

Social Studies

One of the following courses must be taken in either 9th or 10th grade:

•World History SS205

The World History course covers significant global developments from prehistoric cultures to the twentieth century nations. Placed within geographic context, students will analyze cultures through the study of their economic, political, social, religious, and technological achievements. Students will be expected to work independently and in small group settings; conduct research; give oral presentations; complete written assignments; and develop their critical thinking skills. With early World History as a background, emphasis will be placed on the 1400's to the present.

•AP European History SS505

Teacher recommendation; recommend taking prior to AP World History

Four years of advanced social studies courses recommended if student is college-bound

This course studies the significant social, economic, and political movements and events in Europe during the period 1200-1990. Students will study the dynamics of continuity and change, the links between the past and the present, the importance of historical literacy, and the use of history as a form of critical thinking. Advanced Placement classes are college-level courses, which prepares students to take the AP exam in the spring.

•AP World History SS515

Four years of advanced social studies courses recommended if student is college-bound

This course studies the evolution of global processes and contacts in interaction with different types of human societies. The course highlights the nature of changes in international frameworks, their causes and consequences, as well as comparisons among major societies. This course focuses primarily on the past 2000 years of the global experience, the course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the stage for continued development. Extensive reading and writing are required. **Students may earn college credit hours through the KCKCC if they meet the admission requirements. Fees will be paid to the college for three hours of credit in World Civilization I in the fall and three semester hours of credit in World Civilization II in the spring.**

One of the following courses must be taken in either 10th or 11th grade:

•United States History SS305

This course engages students in the active study of political, economic, and social forces behind the development of the United States. Twentieth century American history will be a major emphasis of the course. A variety of instructional methods will be employed such as lectures, discussions, small group work, simulations and research projects.

•AP US History SS525

Four years of advanced social studies courses recommended if student is college-bound

The AP program in United States History is designed to provide students with the analytical skills and enduring understandings necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials—their relevance to a given interpretive problem, their reliability, and their importance—and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format. Summer reading is required. **Students may earn college credit through KCKCC if they meet the admission requirements. Fees will be paid to the college for three semester hours of credit in United States to 1877 in the fall and three semester hours of credit in United States since 1877 in the spring.**

Physical Education

Lifetime Fitness & Wellness (semester) PE201

This course is designed for students who would like to learn how to stay fit after high school. Students will learn the importance of staying active and how to avoid a sedentary lifestyle because obesity is an American epidemic. Activities will include: aerobics, weight lifting, short and long-distance running, cardiovascular equipment, strength bands, exercise balls, core strength, upper and lower body strength, circuit training, etc.

Racquet & Individual Sports (semester) PE211

Racquet and Individual Sports will target students who prefer individual sports to team sports. Activities may include lifelong sports, such as badminton, tennis, golf/ Frisbee Golf, archery, pickleball, horseshoes, orienteering, bowling, and ping pong.

Team Sports (semester) PE221

Team Sports is offered for those freshmen and sophomore students who enjoy participating on a team. This class focuses on teamwork, strategy, problem-solving, rules of the game, and etiquette. Activities may include volleyball, basketball, softball, flag football, soccer, team handball, speedball, Ultimate Frisbee, and hockey.

Sports Conditioning (semester) PE241

Prerequisite: PE201 -OR- participation in a sport, cheerleading, JROTC Raiders, or powerlifting team

This course emphasizes aspects of fitness that relate to improving athletic performance for highly motivated students. Improvement in speed, power, and strength will be a priority. Use of free weights and explosive Olympic-style lifting will be employed. Reducing the risk of athletic injury will also be emphasized. Participation in after-school workouts (for out-of-season students) will be expected.

Advanced Sports Conditioning (semester) PE245

Requirement: PE241

Advanced Sports Conditioning is designed to continue the strength and athletic development of our junior and senior varsity athletes. This course emphasizes aspects of fitness that relate to improving athletic performance for highly motivated students. Improvement in speed, power, and strength will be a priority. Use of free weights and explosive Olympic style lifting will be employed. Reducing the risk of athletic injury will also be emphasized. Participation in after school workouts (for out of season students) will be expected.

Electives

****You have room for two year-long electives. If you choose to take semester classes, you must choose two semester classes to fill one year-long spot.**

Fine Arts

➤ **Art I** (semester) FA101

Fee required

This semester course introduces students to the basic elements and principles of design, various media and methods used to produce art, and the artwork and artists that have shaped the course of visual art in our world. Students will explore a variety of media through art studio centers designed to create a foundation of artistic understanding and thinking.

➤ **Two Dimensional Art** FA201

Prerequisite: B or better in FA101; Fee required

This year-long course is designed for students who have exhibited steady growth and interest in 2D art skills. They must have completed Art I, providing above average artwork and consistent good studio habits.

➤ **Three Dimensional Art** FA301

Prerequisite: B or better in FA101; Fee required

This year-long course is designed for students who have exhibited steady growth and interest in 3D art skills. They must have completed Art I, providing above average artwork and consistent good studio habits.

➤ **Acting I** (semester) FA111

This course is an introduction to the field of acting. Students will be introduced to a variety of learning opportunities that will promote confidence, self-awareness, and positive presentation/performance styles. Units will include creative dramatics, history of drama, theatre and stage terminology, improvisation, the use of voice, body, and breathing in theatre, movement for the stage, duet acting, creating a scene, and the monologue.

➤ **Forensics** (semester) FA121

Interscholastic competition is a part of this course. Individual preparation of various phases of speech and drama work is required. The goal of the course is to develop skills in acting; enhance presentation skills, research skills, organization, public speaking skills, and build self-confidence. There will be some emphasis on dramatic interpretation of duet acting, prose, poetry, and improvisation. Students must attend at least two Saturday tournaments.

➤ **Stagecraft** (semester) FA221

This is a hands-on course in the practical aspects of designing and presenting a theatrical production. The students will learn the techniques in makeup, costume, set design, construction, stage lighting, and stage management techniques. Students will utilize their knowledge by assisting with the school's theatrical productions.

➤ **Advanced Drama** FA311

Prerequisite: FA111 and instructor consent

This course focuses on the understanding and development of the character. Students will analyze the texts for understanding of character, learn cornerstone acting methods, and continue to focus on improving performance skills. At the end of each semester, students will act in, direct, and produce a production.

➤ **Repertory Theater** FA411

Prerequisite: FA111 or FA221 and instructor consent

Repertory Theater provides a real-world career path learning in a repertory theater environment. Students will become a self-sustaining film/theater company, thus providing opportunities to develop their advanced skills in specialized theater and film areas producing at least one play and one short film a semester. This real-world work experience will provide eventual scholarship and employment/internships and aligns with Kansas Theater Curriculum Enduring Understandings as a model cornerstone outcome.

- **Mixed Choir** (semester) FA131
 Prerequisite: B or better in previous semester AND instructor consent if enrolling in additional semesters
 The aim of this course is to stress proper techniques, vocal score interpretation, and performance disciplines. The course is designed to familiarize the student with performance in a choral setting. Emphasis is placed on choral reading skills, part-singing, and musical interpretation. The Mixed Choir performs in a minimum of one concert each semester. Attendance is required at performances.
- **Mixed Choir** (year) FA231
 Prerequisite: Audition only
 The aim of this course is to stress proper techniques, vocal score interpretation, and performance disciplines. The course is designed to familiarize the student with performance in a choral setting. Emphasis is placed on choral reading skills, part-singing, and musical interpretation. The Mixed Choir performs in a minimum of two concerts each year. Attendance is required at performances.
- **A Cappella Choir** FA331
 Prerequisite: Audition only
 This class performs traditional choral literature. Studies in musical styles of the Renaissance, Baroque, Classical, Romantic, and Contemporary Periods are included. Some foreign language diction is studied including Latin, Italian, French, and German. There will be at least one major public performance each semester. Attendance is required at performances. A significant amount of literature studied will be unaccompanied. This course seeks to develop the most refined possible musical skills in the individual.
- **Show Choir** FA431
 Prerequisite: Audition only
 Show Choir, also known as the Leavenworth High School Power and Life Company, emphasizes public performance. Students are expected to be highly motivated in singing and dancing and personality projection. Modern music in popular styles is studied and performed, with special emphasis given to Broadway and show music. The Power and Life Company is highly visible in the community through its numerous performances. Attendance at performances is required.
- **Intermediate Band** FA137
 Prerequisite: Teacher recommendation
 Intermediate Band is a course that focuses on developing individual musicianship through marching and performing on instruments. It is expected that students taking this course will progress to Marching Band or Concert Band the following year/semester. Attendance at all performances is mandatory and is a factor in grading; however, fewer performances are expected than Marching Band and Concert Band. This course is for a student with previous experience with a musical instrument but who does not meet criteria for Senior High Band.
- **Senior High Band** FA141
 First semester is Marching Band, which is a performance-oriented course that allows students to study music and movement. The band supports the football team through performances at home football games and the community in local parades. Students also have the opportunity to perform at several marching competitions. After marching season is complete, marching band students will give one concert as a Concert Band and students will perform at first semester basketball games. Attendance at all performances is mandatory and is an important factor in grading. Second semester Concert Band is a performance-oriented course that allows students to study music in several capacities. Included are pep band, solos, and large and small ensembles. Students will be asked to perform at basketball games during the second semester, and band concerts and festivals. Attendance at all performances is mandatory and is an important factor in grading.
- **Percussion Ensemble** FA151
 Prerequisite: Teacher recommendation
 Percussion Ensemble is a course that focuses on developing musicianship through studying, rehearsing, and performing on percussion instruments. Rehearsals will focus on proper playing techniques for various percussion instruments, rhythm reading, ensemble skills, and preparation for performances. Students will also be expected to do reading, research, and writing pertaining to various aspects of percussion playing. Enrollment is open to the following students and will be granted in this order: current percussion students in the LHS band, other LHS band members, any student in good standing that exhibits an interest in studying all aspects outlined in the course description.
- **Jazz Band** FA241
 Prerequisite: Audition only/dual enrollment in Sr. High Band
 Jazz Band is a performance oriented course. Students will study various styles of jazz literature and perform at several events throughout the year. Attendance at all performances is mandatory and is an important factor in grading.
- **Music Appreciation** (semester) FA251
 Music Appreciation is the study of the history and literature of music. Great composers and their music are studied; musical styles of the past and present are examined. This course is highly recommended for students planning to pursue a career in music.
- **21st Century Journalism/Introduction to Mass Media** (semester) FA261
 This is an introductory class for journalism and mass media. Topics include an exploration of the role media and the communications industry has in society, the development of the technical skills related to journalistic writing and interviewing, as well as understand the ethical and legal issues related to the field. Students will learn the fundamentals of journalism such as writing and designing for print mediums. Students will also learn journalism ethics and First Amendment rights. (This class is a prerequisite for Digital Media Design and Production/Yearbook.)
- **Photo Imaging/Photo Journalism** (semester) FA271
 Fee required
 Photo Imaging teaches the technical skills needed to produce quality images for use in a variety of applications. Topics include the use of equipment, software and techniques to take, edit and manipulate digital images. Students will also learn how to use the images they produce in mass medians such as print and broadcast journalism. (This class is a prerequisite for Digital Media Design and Production/Yearbook.)
- **Audio/Video Production Fundamentals/Video I** (semester) FA281
 Prerequisite: FA261 & FA271, apply/interview, instructor consent; Fee required
 Audio Video Production Fundamentals provides a basic understanding of producing video for a variety of uses. Topics include analyzing the pre-production, production and post-production process, as well as exploring the equipment and techniques used to develop a quality video production.

Language Arts

- **Argumentation & Debate** (semester) LA112
Argumentation & Debate develops communication skills, critical thinking, and the ability to serve as an advocate in a democratic society. Students research a topic and will learn the processes of creating an effective argument for and against a resolution. Students will learn in-depth critical thinking. This class will prepare students for competitive debate. Some aspects of the class include independent research to prepare debate arguments. (This course does NOT satisfy an English credit. Satisfies one half Language Arts credit.)
- **Speech** (semester) LA121
This course is designed to offer the novice speaker a number of opportunities to organize and prepare public speaking assignments. Students will have the opportunity to speak one on one, to themselves (intrapersonal Communication), and to a live audience. Students will learn about the important role of Communication in our lives, the communication model, spatial relationships, delivery styles, interviewing styles, and the effectiveness of language, gestures, and organization techniques. (This course does NOT satisfy an English credit. Satisfies one half Language Arts credit.)
- **Competitive Debate** (semester) LA212
Prerequisite: C or better in LA112
This course offers intense study of the current season's policy debate topic, with the aim of preparation for interscholastic debate on the topic. This concentration focuses on practice debating, discussion of debate rounds, topic analysis, as well as advanced debate theory. Competitive Debate is a co-curricular class in which students research, prepare, and compete, using time and resources outside of the school day, including Saturdays. (This course does NOT satisfy an English credit. Satisfies one half Language Arts credit.)
- **Digital Media Design & Production/Yearbook** LA316
Prerequisite: FA261 & FA271, apply/interview, instructor consent
This course will provide students with the opportunity to apply the fundamental techniques learned in 21st Century Journalism, Photojournalism and Digital Media Design. Topics include developing a production schedule, working as a team, time-management, communication skills and utilizing composition principles.

Practical Arts

- **Business Essentials** (semester) BU103
Fee required
This is an introductory class to the marketing and finance pathways. The purpose of the class is to provide an overview of marketing and finance classes and to present various careers that are available in those industries.
- **Accounting I** BU201
Prerequisite: C or better in MA125; Fee required
This course provides students with an understanding of the financial transactions of a business and enables them to record, present, and interpret these transactions necessary as a consumer of goods and services. Occupations available to the high school graduate that require a knowledge of accounting include accounting clerks/bookkeepers, payroll clerks, and various banking trainee positions. This course is also recommended for those planning to major in any area of business in college.
- **Marketing I** BU333
Prerequisite: BU103 or CT207; Fee required
This course is designed to develop students' understanding of marketing principles. Students will explore entry-level career areas such as business economics, human relations, business communications, marketing concepts, marketing research, advertising, professional selling, and sales promotion. Classroom activities allow students to explore career opportunities in the marketing industry. Participation in department sponsored vocational student organizations is strongly encouraged, not mandatory.
- **Computer Applications** CT207
Fee required
Through this course students will receive a brief review of proper keyboarding technique and move into proper document formatting. Students will use word processing, spreadsheet, database, presentation software, and Internet applications over the course of a full year. Students will learn how to use basic and advanced features of the Microsoft Office Suite. They will explore advanced software programs including Adobe Photoshop, Illustrator, Dreamweaver and other related programs. Time will be spent investigating careers related to the computer industry including digitalization in the movie industry, gaming field, software development and cyber forensics.
- **Computer Graphics** CT221
Prerequisite: C or better in CT207
Learn how to use computer graphics to add visual appeal to digitally generated projects using the adobe creative suite. This class will provide hands on instruction as students learn principles of design. (Course may count as Fine Arts or Practical Arts credits.)
- **Web Design** CT231
Prerequisite: C or better in CT207; Fee required
Through this class, students will learn how to design user-friendly web pages that are both functional and interactive. Students will begin by learning HTML coding and then use web authoring software to develop projects.
- **Introduction to Family & Consumer Sciences** FC115
This course is an orientation to the Family and Consumer Sciences pathways. Its purpose is to introduce students to the many current subject areas, issues, trends, and careers in food preparation, sanitation and nutrition, interpersonal relationships, child care and development, managing money and personal resources, housing and furnishings, and hand/machine sewing and clothing choices. Students will also take part in many activities that will involve cooperative learning, hands-on projects, and lab experiences.
- **Personal Finance** (semester) FC204
In this exciting class, students learn the value of efficient spending and saving habits.. They will learn the importance of developing consumer skills that can be applied both in their personal lives and in their chosen careers. They will study various career areas and how their individual interests will fit into those areas.
- **Essentials of Fashion, Apparel, & Interior Design** (semester) FC211
Prerequisite: FC115; Fee required
This course introduces students to the world of interior and fashion design, familiarizing them to the background and knowledge needed to develop a career in this field. Students will learn and apply how color, composition, and texture can affect great aesthetics.

- **Fashion Trends** (semester) FC216
Prerequisite: C or better in FC211; Fee required
Fashion Trends examines special topics in interiors and apparel that meet the needs of humans now and projected in the future rather than providing a general study. Topics include sustainable design, shelter/apparel for diverse populations (such as aging, special needs, etc.) and how trends are developed. Additional topics may be generated as trends are identified.
- **Culinary Essentials** (semester) FC223
Prerequisite: FC115; Fee required
Do you want to know how to cook? If yes, then this is the course for you! Throughout the semester, you will learn the basics of cooking: measuring ingredients, reading a recipe, and specific methods and techniques. Additionally, this course will prepare you to make healthy choices in life and nutrition.
- **Teaching as a Career** FC224
Prerequisite: FC115
Teaching Profession courses introduce students to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information. These courses typically expose students to and train them in classroom management, student behavior, leadership and human relations skills, assessment of student progress, teaching strategies, and various career opportunities in the field of education.
- **Human Growth & Development** (semester) FC243
Prerequisite: FC115
This course provides students with knowledge about the physical, mental, emotional, and social growth and development of humans from conception to old age, with a special emphasis on birth through school age. Course content will provide an overview of life stages, with a strong tie to prenatal and birth processes; fundamentals of children's emotional and physical development; and the appropriate care of children.
- **Family Relations** (semester) FC232
Prerequisite: FC243
What makes families work? This family living course will study the various components of relationships and marriage. Effective communication skills, self-concept, dating, love, balancing work and the family, and handling crisis within relationships will be included.
- **Introduction to Industrial Technology** (semester) TE105
This course is designed to instruct students in the basic skills necessary to all occupations in the construction, manufacturing, and transportation areas.
- **Drafting/CAD** TE202
Fee required
This course is highly recommended for any student interested in the fields of mechanical and architectural drafting or engineering. Drafting/CAD is designed to introduce the student to basic drafting skills and knowledge needed to function in a technical field. The course includes: sketching, multiview, isometric, oblique, dimensioning, and geometric construction. In keeping pace with new technology, each student will spend a large percentage of time using CAD (Computer-Aided Design) programs such as AutoCAD, Inventor, SolidWorks and more. **If they meet KCKCC admission requirements, students may earn three hours of credit in Computer Aided Drafting in the fall and two hours of credit in Pictorial Drawing in the spring.**
- **Architectural Design** TE221
Prerequisite: TE202; Fee required
This comprehensive course is designed to instruct students in the basic skills of architectural design with a particular emphasis on residential and light commercial applications. Students will use their basic skills to advance into architectural drafting, design, and engineering. Students will develop a complete set of house plans including: floor plan, foundation plan, elevations, sections, plot plan, and perspectives. Students will also spend considerable time producing drawings on CAD systems. Students are encouraged to participate in field trips to homes in construction and drafting competitions. **If they meet KCKCC admission requirements, students may earn three hours of credit in Fundamentals of Building Planning in the fall and four hours of credit in Advanced Drafting in the spring.**
- **Drafting/CAD Techniques & Design** TE301
Prerequisite: TE202; Fee required
This course is designed for students entering the fields of engineering and architecture. Students will develop mechanical drawings using problem solving skills, previous and newly acquired knowledge. Students will further develop architectural skills by designing an environmentally challenging home using the latest technology advances in home design. Students will develop a deeper understanding of CAD, implementing CAD on a weekly basis, and participating in technology leadership competitions during the course. The course will include: multi-view, pictorial, dimensioning, auxiliary, fasteners, working drawings, architecture, and CAD. **If they meet KCKCC admission requirements, students may earn three hours of credit in Drafting Technology in the fall and four hours of credit in Fundamentals Parametric Modeling in the spring.**
- **Introduction to Automotive Technology** (semester) TE131
Fee required
This course is for students interested in the automobile from a business, technical, and/or consumer perspective. A broad range of subjects will be covered in this class to include automotive career exploration, consumer information, minor maintenance and safety inspection, and an introduction to technical systems.

Electives

- **AVID 10** CP200
Prerequisite: Apply/interview, instructor consent
AVID 10 develops learning, study and academic behavioral skills that are essential to success in rigorous coursework. In the AVID 10 elective class, students receive daily instruction and support to prepare them for college from a trained AVID Elective teacher. AVID impacts students by using academic strategies like writing to learn, inquiry, collaboration, organizational skills, and critical reading (WICOR). (Satisfies a practical arts credit.)
- **Sign Language I** (semester) SL100
Students will learn to sign concrete nouns, action verbs, abstractions, describer, and parts of sign. Through a variety of class projects, students will study Deaf history, culture, community, technology, deaf individuals (past and present), and etiquette. These subjects will be explored weekly through novel and biography reports, internet and text research, video presentations, songs and poetry presentations, and open class discussions. (Satisfies a practical arts credit; NOT a world language credit.)

ROTC

➤ **JROTC**

RO101

Fee required

JROTC is open to all physically fit students 14 years or older. The purpose of the program is to motivate young people to be better citizens. JROTC is an Army supported activity. Students do not incur any obligations to serve in the military. The ROTC cadet is required to participate in physical fitness training, drill and ceremonies. ROTC cadets are invited to participate on special teams such as: honor guards (drill teams), rifle team, drum and bugle corps, raiders, color guards, cadet chorus, saber team, and the junior guard program. Cadets are provided government issued uniforms at no cost. The uniform must be worn one class period each week and on special occasions. Uniforms are required to be returned immediately upon disenrollment or the student incurs the cost of the uniform. Parents are accountable for all equipment issued to cadets. Fundraiser participation is completely voluntary.

World Language

➤ **French I**

WL101

Prerequisite: C or better in English; Fee required

French I introduces the basic elements of grammar by involving the student in reading, writing, listening, and speaking activities in a cultural context. Tests and quizzes are written, oral, and taped in format. Instruction is both in French and English. Success in the course requires out-of-class study and homework. Students are required to pay a fee for workbooks and supplementary materials as needed.

➤ **French II**

WL201

Prerequisite: C or better in WL101; Fee required

French II continues and expands the four basic skills of reading, writing, listening, and speaking introduced in French I. Emphasis is placed on the expansion of vocabulary and the accurate use of structural elements of French in spoken and written forms. Concentration and application are given to verb tenses (present, preterite/imperfect, future, and conditional), idiomatic expressions, and pronouns. Oral presentations and cultural activities are a part of classroom activities. French and English are spoken in class. Success in the course requires out-of-class study and homework. Students are required to pay a fee for workbooks and supplementary materials as needed.

➤ **Spanish I**

WL111

Prerequisite: C or better in English; Fee required

Spanish I introduces the basic elements of grammar by involving the student in reading, writing, listening, and speaking activities in a cultural context. Tests and quizzes are written, oral, and taped in format. Instruction is both in Spanish and English. Success in the course requires out-of class study and homework. Students are required to pay a fee for workbooks and supplementary materials as needed.

➤ **Spanish II**

WL211

Prerequisite: C or better in WL111; Fee required

Spanish II continues and expands the four basic skills of reading, writing, listening, and speaking introduced in Spanish I. Emphasis is placed on the expansion of vocabulary and the accurate use of structural elements of Spanish in spoken and written forms. Concentration and application are given to verb tenses (present, preterite/imperfect, future, and conditional), idiomatic expressions, and pronouns. Oral presentations and cultural activities are a part of classroom activities. Spanish and English are spoken in class. Success in the course requires out-of class study and homework. Students are required to pay a fee for workbooks and supplementary materials.

➤ **Spanish III**

WL311

Prerequisite: C or better in WL211; Fee required

Spanish III provides a basic review of the grammar elements studied in Spanish II. Emphasis is placed on speaking and writing skills. The class includes writing activities, cultural and historical projects and skits, and oral and written summaries. The student is expected to participate in daily class discussions. Spanish and English are spoken in class. Success in the course requires out-of class study and homework. A Spanish-English dictionary is required. Students are also required to pay a fee for workbooks and supplementary materials.

➤ **German I**

WL121

Prerequisite: C or better in English; Fee required

German I introduces the basic elements of grammar by involving the student in reading, writing, listening, and speaking activities in a cultural context. Tests and quizzes are written, oral, and taped in format. Instruction is both in German and English. Success in the course requires out-of class study and homework. Students are required to pay a fee for workbooks and supplementary materials. A language dictionary is needed.

➤ **German II**

WL221

Prerequisite: C or better in WL121; Fee required

German II continues and expands the four basic skills introduced in German I. Emphasis is placed on the expansion of vocabulary and the accurate use of structural elements of German in spoken and written forms. Concentration and application are given to verb tenses (present, preterite/imperfect, future, and conditional), idiomatic expressions, and pronouns. Original skits, cultural activities, and oral presentations are part of classroom activities. German and English are spoken in class. Success in the course requires out-of-class study and homework. Students are required to pay a fee for workbooks and supplementary materials. A German-English dictionary is required.