

Hugoton High School

Course Description 2021-2022



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Hugoton High School Test Out Policy

A student of Hugoton High School may make a request to test out of the following courses:

Spanish I - Spanish II

Requests must be made to the high school counselor. Requirements for testing out are available in the counselor's office. The following guidelines exist for the test-out program:

1. Students must score a minimum of 90% to pass the course.
2. Students will only have one opportunity to test – out of the course.

KSHAA Eligibility Requirements

To be eligible for participation in Kansas State High School Activities Association sponsored activities a student must:

- *Have passed at **least five new subjects** during the previous semester or the last semester of attendance
 - *Be enrolled and attending a **minimum of five subjects** during the present semester
 - *Be a bona fide student in good standing
 - *Have a KSHSAA physical examination on file prior to the first practice
- *Refrain from engaging in outside competition in the same sport during a season which he/she is representing the school

Hugoton High School Graduation Requirements

4 units	Approved English
3* units	Approved Mathematics
3 units	Approved Social Science
3 units	Approved Science
1 unit	Fine Art
1** unit	Business Technology
1 unit	Health/PE
9 units	Electives
25 units	Total units required for graduation

**One credit is equal to earning 60% or higher in a one – year class.*

**One-half credit is equal to earning 60% or higher in a semester class.*

***Students with less than 22 ACT or who have not already passed College Algebra with a 70% or better are required to take a math class senior year.**

****The Business Technology graduation requirement is being phased out. Beginning with the graduating class of 2024, it will no longer be a graduation requirement. Personal Finance will become a requirement for graduation beginning with the graduating class of 2025.**

Criteria For Valedictorian/Salutatorian Consideration - Class 2024 and beyond

Valedictorian and Salutatorian consideration will be given to those who complete the following criteria:

HHS Honors Curriculum -

- ***Language Arts*** - 4 approved units - 10, 11, and 12 must be AC
- ***Science*** - 3 approved units including Biology, Chemistry, Physics
- ***Mathematics*** - 4 approved units above Algebra 1 including Algebra 2, Geometry, Pre-Calculus OR College Algebra/Trigonometry, AND Calculus
- ***Social Science*** - 3 approved units including US History, US Government, Geography/World History
- ***Foreign Language*** - 2 approved units of one foreign language
- ***Fine Arts*** - 1 approved unit
- ***Business Technology*** - 1 approved unit to be replaced by Personal Finance beginning with the 2025 graduating class)
- ***Intro to Health Care*** - 1 approved unit

All students who complete the HHS Honors Curriculum (with a minimum 3.0 overall GPA) are eligible for consideration as Valedictorian and Salutatorian. The student(s) with the highest GPA will be honored as Valedictorian. The student(s) with the second highest GPA will be honored as Salutatorian. If there are multiple valedictorians, there will be no salutatorian. GPAs will be rounded to the nearest hundredth (e.g., 3.955=3.96). The GPA will be computed at the conclusion of the eighth semester.

Students who earn valedictorian and salutatorian status will be honored at the graduation ceremony with an engraved plaque and onstage recognition. Each honoree and his/her parents will be introduced by an HHS staff member of the honoree's choice. Only two student speeches will be given. If more than two students earn Val/Sal recognition, two representatives from the group will be selected to give the speeches.

Hugoton High School / Kansas Board of Regents Update

Qualified Admissions Criteria: Amended September 2019

Graduating Class of 2021 and Beyond

Admission requirements for Kansas Board of Regent Universities will change for students in this graduating class and those following.

Emporia State University, Pittsburg State University, Fort Hays State University, Wichita State University Requirements

- ACT 21+ **or** Cumulative GPA 2.25+
- Pre-College Curriculum Units Recommended
- Cumulative GPA 2.0+ for College Credit earned in High School

K - State

- ACT 21+ **or** Cumulative GPA 3.25+
- Pre-College Curriculum Units Recommended
- Cumulative GPA 2.0+ for College Credit earned in High School

KU

- ACT 21+ & Cumulative GPA 3.25+ **or** ACT 24 + & Cumulative GPA 3.0+
- Pre-College Curriculum Units Recommended
- Cumulative GPA 2.0+ for College Credit earned in High School

What This Means For HHS

Supporting Students

The information below outlines how students will continue to be supported to ensure they are successful at their chosen universities.

- Courses identified as meeting the Pre-College Curriculum criteria will continue to be reflected in each student's program of study (Courses were previously identified as "Qualified Admission").
- Students will continue to be encouraged to consider enrolling in courses identified as "Pre-College Curriculum" courses.
- In order to graduate from our accredited high school programs, students will continue to follow guidelines as set forth by the USD 210 Board of Education outlining graduation requirements.
- Requirements for Kansas State Scholars will continue to remain the same. Students who wish to follow this program of study will need to complete the Kansas Scholars Curriculum which includes the specific Pre-College Curriculum courses determined by the Kansas Board of Regents.

Kansas Scholars Curriculum Requirements

Completion of the Kansas Scholars Curriculum, may designate qualified seniors as State Scholars which makes one eligible to receive the Kansas State Scholarship as provided by the Kansas Legislature. The academic profile of recent scholars include an average ACT of 30 and an average GPA of 3.91. State Scholars may receive up to \$1000 annually for up to four undergraduate years (five, if enrolled in a designated five-year program), based on financial need and the availability of State funds. Financial need is measured by federal methodology using data submitted on the FAFSA. For more information regarding qualifying requirements, contact the Kansas Board of Regents at (785) 430-4255 or at kansasregents.org/students/student_financial_aid.

General Information and Policy

- **Students who desire a schedule change for either semester should make arrangements with the counselor before the semester begins. Late schedule changes will be made as deemed necessary by the administration.**
- Classes listed on enrollment forms may be canceled by the administration if enrollment is low.
- Students who have failed a semester or more of a required subject must retake the semester of the course they failed the following year or attend summer school if available. **If a student fails second semester of a math class s/he must retake both semesters the following year.**
- To meet the “Fine Arts” graduation requirement a student must complete at least one full unit credit from any of the following: *All art classes, all music classes, Graphic Design, and Photo Imaging.*
- **Students must meet credit requirement in order to move to the next level. 0 - 5 Freshman; 6 -11 Sophomore; 12 – 17 Junior; 18+ Senior**
- Class enrollment for Hugoton High School: Students will fill out a class enrollment form for their grade level and turn it into the counselor. Senior students will be scheduled first, then Juniors, Sophomores, and Freshmen in that order. We do not discriminate on race, gender, or disability.

Schedule Design to meet graduation requirements

9th Grade

- Intro to Health Care
- Business Communications/Career Life Planning
- English 9/*9AC
- Biology/Adv. Biology
- Math (Algebra I or Geometry)
- 2 Electives (possible Fine Art)

*Teacher recommendation and/or test score required

10th Grade

- English 10/*10AC
- Earth and Space Science (or other science as indicated by student's Individual Plan of Study)
- Geography/World History/World Civilization 1 and 2
- Math (Algebra II or Geometry)
- 3 Electives (possible Fine Art)

*Teacher recommendation and/or test score required

11th Grade

- English 11 /*11AC
- Science Environmental Science, *Chemistry, Anatomy & Physiology, *College Biology (or other science as indicated by student's Individual Plan of Study)
- Math (Algebra II, Geometry, *College Alg/Trig, Statistics, Pre-Calculus)
- U. S. History/American History
- 3 Electives (possible Fine Art)

*Teacher recommendation and/or test score required

12th Grade

- English 12/*12AC
- Economics or Psychology
- Government
- Math (refer to ACT score requirement)
- 4-5 Electives (possible Fine Art)

*Teacher recommendation and test score required

COLLEGE CLASSES DUAL CREDIT (IDCE)

Students taking dual credit classes during the regular school day are required to pay for the college credits and the cost of the textbooks. College classes taken outside the regular school day **will not** count as dual credit, unless arrangements are made with the counselor.

Students interested in taking these classes must enroll with the high school Counselor.

Students are responsible for purchasing/renting the textbook

Student will need the course number and name when ordering textbooks

The cost for 2021 - 2022 school term is \$108.00 per credit hour

All payment arrangements, including past due balances, must be handled through the business office at SCCC. Students will not be allowed to enroll in additional classes or order transcripts until all financial obligations are met.

Course Department Descriptions

Agriculture

18002 Agriscience

Grades: 9 - 12

1 unit credit

Introductory course for students in Agricultural Sciences. Course work includes basic instruction in animal sciences, plant sciences, horticulture, Ag mechanics technologies, FFA Leadership skills, responsibility, trust and an overview of career opportunities in agriculture. *Class form at: group discussion, classroom laboratory demonstrations, group projects, laboratory work, presentations and career development*

18101 Animal Science

Grades: 10-12

1 unit credit

Provides an overview of the animal production industry and how the biological sciences apply to the growth and development of animals. Topics covered include animal growth and development, animal anatomy and physiology, animal reproduction, artificial insemination, embryo transfer, animal nutrition and feeding, genetics and animal selection. *Class form at: group discussion, classroom laboratory demonstrations, group projects, laboratory work, individual career development skills and field trips. (Agriscience preferred but not required)* **Qualifies as a Science Credit**

18305 Food Science

Grades: 10 - 12

1 unit credit

An introductory study of Agriculture commodities processing, providing an overview of the general knowledge of the procedures and technologies used in producing/processing grain, meat, milk and bio-fuels with emphasis on career skill development applicable to these industries. *Class form at: group discussion, classroom laboratory demonstrations, group projects, laboratory work, individual career development skills and field trips.* **Qualifies as a Science Credit.**

18058 Plant/Soil Science

Grades: 10 - 12

1 unit credit

Plant Production/Science courses provide knowledge about the propagation of plants for food and fiber. These courses may cover such topics as soil science, irrigation, pest and weed control, food and fiber processing, and farm operations. They may also cover the knowledge and skills needed to produce all types of crops or may emphasize a particular area of the agricultural industry. **Qualifies as a Science Credit.**

18401 Agriculture Mechanics

Grades: 10 - 12

1 unit credit

(Agri-Science required and an instructor approved project plan must be in place before the end of the first nine weeks of school.)

Course designed for students interested in additional study in the metal manufacturing field and other areas of mechanical technologies. Emphasis is placed on the relationship of mechanics and agriculture. Topics covered include safety, basic welding processes, machine tool use, machinery maintenance, and project construction. *Class form at: group discussion, laboratory demonstrations, individual skill work,*

18402 Advanced Ag. Mechanics

Grades: 11 - 12

1 unit credit

(Agriculture Mechanics required, instructor approved project plan must be in place before the end of the first nine weeks of school.)

Designed for additional study of the Agriculture Mechanics areas of advanced welding, Ag electrification/electronics, plumbing, soil/water management, FFA Leadership, with emphasis on career skills and job applications. *Class form at: discussion, laboratory demonstrations, individual skill work, and project construction.*

18201 Agribusiness

Grades: 11 - 12

1 unit credit

This course provides students experience in business and personal finance through business evaluation with emphasis on career development event areas, record keeping, and leadership development. Students will gain hands on experience through student projects in the class and their SAE program. *Class form at: discussion, guest speakers, interviews with business leaders, presentations and field trips. (Completion of Agri-science is required)*

18048 Workplace Exp. Ag Internship

Grade: 12

1 unit credit

This course is for **seniors** who would like to gain experience in the work force while enrolled in an Ag Class that will emphasize the skills that employers are looking for in reliable employees which will include a higher level of Career Development Skills emphasizing: Listening skills, Oral communication, Written Communication, Ag Math, Human Relationship, Decision Making/Problem Solving, Teamwork, Time Management, Work Ethics and Career Planning. Students will be required to have a supervised agriculture experience program and maintain their Ag record book of hours worked, income/expense and skills utilized. Students will be allowed to work concurrently as they progress through this course. **Completion of Agri-science Pathway Required**

Business Marketing Computer Information Systems

Enrolling in business classes meets coursework requirements for membership in our Future Business Leaders of America student organization (FBLA)

32201 Applied Business Development

Grades: 10 -12

1 unit credit

This project-based course provides an opportunity for students to actually use skills gained in lower-level business courses. Students will practice skills of planning, organizing, directing and controlling functions of operating a business or special event, while assuming the responsibilities and risks involved. Possible projects include implementation of a campus store, and coordination special events, among others.

12053 Business Entrepreneurship

Grades: 10-12

.5 unit credit

Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own business. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law; legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

12052 Business Management

Grades : 10-12

.5 unit credit

Business Management courses acquaint students with management opportunities and effective human relations. These courses provide students with the skills to perform planning, staffing, financing, and controlling functions within a business. In addition, they usually provide a macro-level study of the business world, including business structure and finance, and the interconnections among industry, government, and the global economy. The course may also emphasize problem-based, real-world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business decisions.

12009 Business Communications

Grades: 9-12

.5 unit credit

The Business Communications course will help students develop an understanding and appreciation for effective communication in business situations and environments. Emphasis is placed on all phases of communication: speaking, listening, thinking, responding, reading, writing, non-verbal communication, and utilizing technology for communication. Business communication functions, process, and applications in the context of business may be practiced through problem-based projects and real world applications. This course offers the opportunity to learn, utilize, and appreciate those impacts in future workforce environments. Basic keyboarding skills in Word, Excel, Powerpoint are emphasized. – **Required for graduation**

11154 Graphic Design

Grades: 10 -12

1 unit credit

Graphic Design courses emphasize design elements and principles in the purposeful arrangement of images and text to communicate a message. They focus on creating art products such as advertisements, product designs, and identity symbols. Graphic Design courses may investigate the computer's influence on and role in creating contemporary designs and provide a cultural and historical study of master design works of different periods and styles. **Qualifies as Fine Art**

30102 Graphic Design Fundamentals

Grades 10 – 12

.5 unit credit

Graphic Design Fundamentals provides a basic understanding of the graphic design process. Topics include analyzing the design elements and principles, exploring industry tools, software and equipment and learning composition techniques to develop a quality produce.

12051 Intro to Business

Grades: 10 - 12

1 unit credit

Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provides a brief overview of the American economic system and corporate organization. Introductory Business courses may expose students to varied opportunities in secretarial, accounting, management, and related fields.

43115 Media and Public Relations

Grade: 10-12

1 unit credit

Media and Public Relations will build skills needed to communicate messages to the public as it relates to topics of concern. Topics will include conflict awareness, reliability of sources, creating publicity materials, public relations campaigns and working with media.

10248 Media Technology Workplace

Grade: 12

1 unit credit

Course provides students with work experience infields related to media technology. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

12149 Personal Finance

Grades: 10 - 12

1 unit credit

Personal Finance provides an in-depth analysis of real life skills and how to apply these skills; will also give an analysis of Financial Literacy. What this class has to offer will benefit you now and after high school. Topics include: Career Decisions=choosing a career, planning for a career, getting a job, work laws, career development; Money Management=pay/benefits and working conditions, federal income tax, budgets and financial records, checking accounts and other banking services, assessing your financial health; Financial Security=saving for the future, investing for the future, investing in stocks, investing in mutual funds, real estate, retirement and estate planning, assessing financial security; Credit Management=managing credit and debt, responsibilities and costs of credit, credit in America; Resource Management=personal decision making, renting a residence, buying a home, buying and caring for a vehicle, family decisions, managing resources; Risk Management=intro. To risk management, property and liability insurance, health and life insurance, managing personal risks; Consumer Rights and Responsibilities=role of consumers in a free enterprise system, consumer protection, dispute resolution, exploring ethical issues. **"May count as a math credit for seniors only with administrative approval."**

11101 Yearbook

Grades: 9 - 12

1 unit credit

Yearbook provides students with knowledge and skills necessary for career interest in journalism. Students will further their writing skills and training will include photo composition and light editing. Students will be in charge of *producing* "The Eagle" the HHS yearbook. Personal responsibility and self-drive are a must.

****Requirement for freshmen entering yearbook include having been in yearbook for at least ONE year in Middle School, need a letter of recommendation from the Middle School Yearbook Sponsor, OR a character reference from a different teacher.**

Education/Teacher Training

22207 Career and Life Planning

Grades 9 - 12

.5 unit credit

Course introduces students to the skills and strategies helpful in becoming more focused, productive individuals. Typically emphasizes goal setting; decision-making; managing time, energy, and stress; and identifying alternatives and coping strategies. May also allow students to explore various career and lifestyle choices.

19151 Teaching As a Career

Grade: 10-11

1 unit credit

Available to **sophomores and juniors** who are exploring a career in education and intend to enroll in Workplace Experience Teaching Internship during their senior year. 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.

19052 Healthy Child's World

Grades: 10 - 12

1 unit credit

Students will explore the physical, intellectual, emotional and social development of a child from conception to three years of age. The primary focus of this class is on children, parenting and you, the student. Study of children, families and effective parenting skills as well as teen pregnancy and parenthood are discussed.

The class also studies pregnancy and childbirth, which includes learning about conception, prenatal development and preparing for birth and baby's arrival. Students will participate in the "Baby Think It Over" computerized baby experience with which they will tend to an "infant" in a real life manner.

19198 Workplace Experience Teaching Internship Grade: 12

1 unit credit

Available to **SENIORS ONLY**. Various opportunities are available throughout the district including positions located at the elementary school, middle school and high school. Each student is assigned to a supervising staff member and is evaluated at the end of each nine week grading period. Evaluations are conducted on a pass/fail basis and are not computed as part of the cumulative grade point average. Students are allowed only one Teaching Internship period per day and must be approved by the principal.

Engineering Technology/Construction

17007 Wood Principles

Grades : 9-12

1 unit credit

Cabinetmaking courses provide students with experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood. Cabinetmaking courses cover the different methods of joining pieces of wood, how to use mechanical fasteners, and how to attach hardware. Initial topics may resemble those taught in woodworking courses; more advanced topics may include how to install plastic laminates on surfaces and how to apply spray finishes.

38007 Cabinetmaking & Furniture Design II Grades : 10-12

1 unit credit

Cabinetmaking courses provide students with experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood. Cabinetmaking courses cover the different methods of joining pieces of wood, how to use mechanical fasteners, and how to attach hardware. Initial topics may resemble those taught in woodworking courses; more advanced topics may include how to install plastic laminates on surfaces and how to apply spray finishes.

17009A/B Remodeling and Building Maintenance Grades: 9 – 12

1 unit credit

Building Maintenance courses train students to maintain commercial, industrial, and residential buildings and homes. Instruction is provided in the basic maintenance and repair of air conditioning, heating, plumbing, electrical, and other mechanical systems. Topics covered may include identifying and using hand and power tools safely; installing and repairing floor coverings, walls, and ceilings; installing and repairing doors, windows, screens, and cabinets; applying finishes to prepared surfaces; and repairing roofs, masonry, plumbing, and electrical systems.

21009 Robotics

Grade: 11 - 12

1 unit credit

In the first semester, students will, using the Lego NXT, explore building and programming a robot. The robot will be programmed to move, turn and operate with a variety of sensors including a sound sensor, ultrasonic sensor, light sensor and a touch sensor. In the second semester, students will use the robots to solve real world problems including mapping an abandoned mine and a patrol robot. *Offered during odd years. Qualifies as science credit*

21048 Engineering Workplace Experience

Grade: 12

1 unit credit

Course provides students with work experience in an engineering-related field. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Fine Arts

05102 Band

Grades : 9 - 12

1 unit credit

Band is intended for students who have had at least two years of study on a wind, brass, or percussion instrument. The class studies and performs music of various stylistic periods through participation in marching band, pep band, and concert ensemble. Advanced training in technique and interpretation of music is also offered in this course, as well as opportunities for solo and small ensemble performance.

05118 Music Appreciation

Grades : 9 - 12

1 unit credit

Course focuses specifically on students' appreciation of music. Designed to help students explore the world of music and to develop an understanding of the importance of music in their lives.

05110 Chorus

Grades : 9 - 12

1 unit credit

Chorus is designed for those who truly enjoy singing and who like to be a part of a performing group. The class practices on vocal fundamentals and performs a varied repertoire of styles for concerts and competition. Students will perform in three concerts per year as well as League and State Music Festivals. *Prerequisite: must be able to match pitch*

05110 Show Choir

Grades: 9 - 12

1 unit credit

This is a music-based elective that will teach reading music and rhythm, as well as lyrical dancing and actions to complement the songs learned. Attendance at required performances and competitions outside the school day will be expected from this selected group. Students will be selected from an audition process held in March.

05154-a Art 1

Grades: 9 - 12

1 unit credit

No prerequisite - Basic Beginning Intro Art Class. For any student with no high school art experience, students with or without middle school art experience. Basic introductory art studies covering drawing, painting, sculpture and various forms of art media. Course will provide students with the knowledge and opportunity to explore such art forms, and create individual works of art. Study of past artists, art movements and art history are incorporated throughout the year. Any student may take this section of beginning art one year, and may take Art 1 Section A the following year to continue. One time course only: Any student who has completed this course from the previous year or any year does not take this

05154-b Art 2

Grades: 9 - 12

1 unit credit

Prerequisite - Must have a passing grade and successful completion of Art 1 Section A AND Art 1 Section B. Designed for art students with art experience with art experience wishing to continue on in the USD 210 art program. This is the second level course with second year advanced and learned techniques and processes taught in the beginning into art classes. Students will advance and must have previous knowledge in drawing, painting, ceramics, sculpture, and aspects of art history and art appreciation relevant to such studies will be explored. One time course only: Any student who has completed this course from the previous year or any year before does not take this course again.

05154-c Art 3 Advanced Art

Grades: 10 - 12

1 unit credit

Prerequisite - Must have passing grade and successful completion of Art 1 Section A AND Art 1 Section B. Designed for advanced students and any fourth year art student wishing to continue. Aimed at students with exceptional talents, an interest in majoring in art in college, or following an art related career, or those with successful art show records and show competition in previous years. Students must have skills and techniques to advance upon learned from all Art 1 and Art 2 courses, with the study of processes for new advanced techniques, art processes and procedures. Studies include extensive art history and relevant art movement studies. One time course only: Any student who has completed this course from the previous year or any year or any year before does not take his course again.

05170 Advanced Art by Arrangement- All Hours

Grades: 10 - 12

1 unit credit

Pre-requisite - By special arrangement with instructor. By arrangement students must have completion of Art 1 Section A and Art 1 Section B, and Art 2. For students with gifted ability or exceptional talents, an interest in art careers, or art study after high school. Students wishing to take this course may be recommended based on the following: skilled previous works, ability to work independently and meet deadlines, high level or "gifted" abilities as recognized by the art instructor. Focus is building a portfolio and successful competition/show record. Students with no high school experience will not be allowed to enroll.

30006 Intro to Drawing

Grades: 9 - 10

1 unit credit

Introduction to Drawing and Design emphasizes the development of fundamental drawing skills for students learning graphic design. Focus will be on the application of art theory, processes and techniques that increase the power of observation. Instruction includes the elements and principles of design as applied in composition through hard copy and/or electronic software.

Foreign Language

06101 Spanish I

Grades 9 – 12

1 unit credit

Designed to introduce students to Spanish language and culture, courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.

06102 Spanish 2

Grades 9 – 12

1 unit credit

Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).

06103 Spanish 3

Grades 9 – 12

1 unit credit

Spanish III focuses on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

06109 Spanish Literature

Grades 9 – 12

1 unit credit

Course places emphasis on reading, understanding, and reacting in writing to literature written in Spanish.

Health Science/Physical Education

08005B Functional Strength (boys and girls)

Grades: 9-12

1 unit credit

The primary goal of Functional Strength is to transfer the improvements in strength achieved in one movement to enhancing the performance of another movement by affecting the entire neuromuscular system. Students will learn different methods for movements such as squat, hinge, single leg squat, push and pull while incorporating core training—anti flex, extension and rotation.

14062 Care of Athletes/Functional Strength II

Grades: 10 -12

1 unit credit

Care of Athletes courses provide students with the knowledge and skills to understand and perform therapeutic tasks that would be designated by an athletic or fitness trainer. Topics covered may include taping and bandaging, proper use of protective padding, treatment modalities, anatomy and physiology, and medical terminology. Students may learn to measure cardiorespiratory endurance, muscular strength and endurance, flexibility, body composition, and blood pressure. More advanced topics may include injury assessment, the phases of healing, and the use of exercise and equipment to help in the reconditioning of injured athletes.

Functional Strength training involves performing work against resistance in such a manner that the improvements in **strength** directly enhance the performance of movements so that an individual's activities of daily living are easier to perform.

14072 Sports Medicine I/Functional Strength III

Grades : 10-12

1 unit credit

Sports Medicine will provide students an overview of the specialized health care needed in the wide world of sports and physical activity. Students will learn what sports medicine is and the multidisciplinary approach to athletic health care. The course will also introduce students to basic body systems in addition to the physical and mental demands of physical activity at all levels. The students will be introduced to such things as kinesiology, bleeding and shock, the bones and soft tissue, the foot, ankle, and lower leg, the knee, the hip and pelvis, the elbow, wrist, and hand, the shoulder, the chest and abdomen, the head and face, the spine, and lastly special considerations in athletes. *Prerequisite - Care of Athletes or concurrent enrollment.*

Functional Strength training involves performing work against resistance in such a manner that the improvements in strength directly enhance the performance of movements so that an individual's activities of daily living are easier to perform.

14997 Certified Nurse Aide (CNA) 16 years or older (Dual Credit) Grades :10-12 **2nd semester** **.5 unit credit**

The **Certified Nurses Aide** course is offered through SCCC. *See Counselor for registration. Fees and tuition rates may apply, but this course is currently funded by the State of Kansas for high school students via SB 155. Students passing the course with a C or better will earn 5 college credit hours. ACT score not required.* Students will also need to invest in uniforms and equipment. *Medical Terminology is a pre-requisite for CNA.*

14154 Medical Terminology (Dual Credit)

Grades: 10-12

1 unit credit

Students planning to take the CNA course must take Medical Terminology prior to enrolling in CNA. In Medical Terminology, students learn how to identify medical terms by analyzing their components. This course emphasizes defining medical prefixes, root words, suffixes, and abbreviations. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions. *See Counselor for registration. Fees and tuition rates may apply, but this course is currently funded by the State of Kansas for high school students via SB 155. Students passing the course with a C or better will earn 3 college credit hours. ACT score not required. HHS students currently take this course online through EduKan.*

36993 Health Care Work Exp

Grade: 12

1 unit credit

Workplace Experience courses provide students with work experience in a field related to their interests. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the work place.

14001 Intro to Health Care (9th grade boys and girls)**1 unit credit**

Provides students with the basic knowledge of health/wellness professionals in private business and industry, community organizations, and health care settings. Includes instruction in personal health, community health and welfare, nutrition, epidemiology, disease prevention, fitness and exercise and health behaviors. *Required for graduation*

22202 Nutrition & Health Science

Grades: 9-12

1 unit credit

Explore nutrition, exercise, and your metabolism as they are integrated into your daily routine for a healthy lifestyle. Learn that living a healthful life includes exercise and smart food choices. Included are cooking and basic kitchen skills.

08005 Circuit Training

Grades : 9 -12

1 unit credit

(Prerequisite - Students taking this class should be involved in at least two sports or extra-curricular activities during the school year.) Designed to focus on physical conditioning in which one moves from one exercise to another, usually in a series of different stations or pieces of equipment. The course will focus on skill, fundamental and technique development and will improve one's overall fitness and skill development. The primary focus is athletic development. *(Speed/Endurance/Strength/Agility/Quickness)*

08001 Games and Activities (boys and girls)

Grades : 10-12

1 unit credit

Pre-requisite- Health Science 1 (Freshman Health & Physical Education) This class is designed for students interested in learning skills and strategies of team sports/lifetime activities. This course will include daily skill instruction and implementation of those skills into a competitive game setting. Sports may include, but are not limited to: basketball, flag football, soccer, ultimate Frisbee, pickle ball, badminton, Frisbee golf, and volleyball. This course will also include daily cardiovascular &/or fitness activities. This course will highlight the significance of lifetime physical fitness. This class will also stress the importance of performance, sportsmanship and the rules and regulations.

Industrial Technology in Cooperation with SCCC

1226 Industrial Technologies

Grades : 11-12

Students who meet criteria set by USD 210 and Hugoton High School administration will be able to enroll in Career and Technical Education courses through Seward County Community College. Students must be in good standing with a 'C' average and maintain that average in order to continue attending. Students who attend SCCC/ATS will be required to sign a contract acknowledging rules and attendance policy. *See Counselor for registration. Fees and tuition rates may apply, but these courses are currently funded by the State of Kansas for high school students via SB 155. Students passing courses with a C or better will earn college credit hours. ACT score not required.* Transportation may be provided by USD 210.

Industrial Technology Programs of Study at SCCC

Agriculture encompasses more than what happens in the field. At SCCC, students are able to prepare themselves for today's diverse agriculture related workforce with studies in animal science, agronomy, agri-business, and specialty crops. SCCC stresses the importance of acquiring the technical, business, and communication skills required that contribute to student success through up-to-date courses, hands-on experience, and participation in clubs and organizations available on campus.

Auto Body Collision Repair can lead to a challenging and rewarding career. The vast changes in design, construction, and finish of today's automobiles have created a shortage of top-notch technicians. With the industry requiring the entry of skilled individuals on a continual basis, autobody collision repair is a terrific career with multiple opportunities for growth.

Automotive Business Management Sourcing replacement parts and inventory management are major challenges in today's world. Automotive Business Management offers proven training for personal and professional development in a challenging career. This program can help you meet your career goals in a rewarding business field that has opportunities for advancement.

Automotive Mechanics Technology provides students with the challenge of accurately diagnosing and correctly repairing late model cars and light trucks. Students train to become successful automotive technicians while learning basic mechanical skills as well as complex diagnostic procedures.

Business Administrative Technology prepares graduates for employment in today's technology-driven workplace. The program develops skills in keyboarding and document processing, business math calculations, records management, and specialized computer applications. Additionally, emphasis is placed on strengthening skills in language and communication, human relations, customer/client support, and professionalism.

Computer Information Systems focuses on learning practical applications of technology to support businesses and organizations. Students are able to prepare themselves for success by learning on state-of-the-art hardware and software. With programming/robotics, web design, computer graphics, multimedia production tracks available, the computer information systems program provides courses that offer students the best technology training possible in their chosen field. Transfer programs are available for students interested in furthering their education at a four-year institution.

Diesel Technology features modern late-model engines, such as a C-15 Caterpillar and 60 Series Detroit, to train students. Students are required to have a basic set of tools upon entering the program, tool suppliers and a tool fair will be available to assist students in their selection process.

Drafting and Design Technology – Our house, office, automobile, streets, our golf clubs, tennis racquets, bicycles, and lawn mowers all began as an engineering or architectural drawing. The drafting and design technology program at SCCC trains students in the art of converting concepts, sketches, and ideas of engineers and architects into detailed drawings for manufacturing, construction, and engineering.

This program is designed to develop drafting skills and learn related fundamentals for manufacturing, engineering, building, construction, surveying, and design. Technical drafters are considered the communication link between engineering professionals and industry. In this position, the drafter is both creative and knowledgeable.

Heating, Ventilation, Air Conditioning and Refrigeration is considered one of the greater developments of the 20th century. The demand for skilled technicians is on the rise as the world continues to focus on energy efficiency. As a result of the expanding markets for refrigeration and air conditioning, along with changing technology, qualified personnel are needed both at home and abroad. The HVAC-R program is designed to teach the appropriate skills needed for this field. Students train with state-of-the-art equipment and learn techniques to diagnose, repair, and install commercial and residential refrigeration and furnace systems.

Machine Tool Technology prepares students for employment within the tool-making/machining industry. Students will transform raw materials, like steels, aluminum, bronze, copper, composites and plastics, into working parts and assemblies.

This self-paced performance-based curriculum lets you learn at optimum speed or slow down to a pace that is comfortable to you. You'll get your most valuable experience working "hands-on" with up to date equipment such as bench and hand tools and machine tools, including engine lathes, vertical mills, drill presses, grinders, and CNC (computer controlled machines).

Machine technology students get their training in the machine shop. Class projects and outside work provide a wide variety of skills and broaden the learning spectrum for each student.

Natural Gas Compression Technology prepares students for entrance into the natural gas industry as entry level maintenance technicians. Through cooperation with regional natural gas industry leaders, SCCC is able to provide students with the most up-to-date training required by the dynamic industry. The natural gas industry has long been a major employer within the Liberal, Kansas area and the larger region as a whole.

Students in the natural gas compression technology program learn precision measurement, workplace skills, engine theory, basic electricity and circuits, metal fabrication, basic welding, repairing compressors and engines, compressor theory, mounting and aligning compressors, and preventative maintenance of engines and compressors. Our students participate in an internship at the end of their program of study to prepare them for the workforce and give them experience working with a company in the industry.

The program is located in the energy sector of the auto body building and includes many opportunities for hands-on learning, from small three-cylinder engines to large 12-cylinder engines and both reciprocating compressors as well as screw compressors. Students may also be able to participate in additional hands-on opportunities including an operating engine and compressor packages. These packages connect to pipelines to allow students real-world experiences with natural gas engines and compressors before going into the field. The packages even allow for faults to be interjected so that students can learn troubleshooting and resolution techniques. The hands-on experiences that our facilities provide allow for students to directly apply the knowledge gained in the classroom and prepare for their future in the workforce.

Process Technology teaches extensive hands on training on typical plant equipment, process controls, and product quality analysis. Plant operators work as a part of a team to plan, analyze, and control the quality of processes involved in bringing a material from its raw state to a state that can be used for production purposes. The world counts on industrial processes to transform raw materials into building blocks of modern society.

Plant operations encompasses a vast range of industries, such as petrochemical, mineral processing, advanced material, food, pharmaceutical, and biotechnological industries. This includes monitoring power plants and other facilities to operate efficiently, reduce emissions, and conserve natural resources.

Welding Technology - SCCC offers a 10 month program in Welding Technology. For more information please visit SCCC.edu/Academics/Program of Study/Welding Technology.

Language Arts

01001 LA 9

Grades : 9 - 12

1 unit credit

LA 9 courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections. A research project will be required.

01101A LA 9AC

Grade: 9

1 unit credit

Students will cover the same material as LA 9 while extending that material to more depth. The students will be required to do more multi-paragraph writing as well as participate in in-depth analysis of reading. A research paper will be required and will emphasize the six-trait writing model.

*Requirements to be placed in **LA9AC**: students must have an average GPA of 3.0+ in 8th grade English and score at the 75th percentile or above on the Spring MAP test their 8th grade year or by S. A. T. recommendation. To remain in **LA9AC** the second semester, students must maintain an 80% (3.0) or higher average in **LA9AC** the first semester.*

01002 LA 10

Grades : 10 - 12

1 unit credit

Course will provide intermediate instruction in writing and literature, with a focus on six-trait writing and various forms of literature, including short stories, poetry, novels, and drama. The writing portion of the course will utilize computer technology in the production of essays, research papers and other writing projects. The course will build upon instruction received during the freshman year and prepare students for instruction to be received during the junior year of language arts. A research paper will be required and will emphasize the six-trait writing model.

01101B LA 10AC

Grade: 10

1 unit credit

LA10AC will re-visit the five paragraph format through an emphasis on six-trait writing. Other forms of expression such as technical writing will also be introduced. Students are encouraged to critically analyze literary work, looking for symbolism, thematic devices, etc. The research process and paper is further explored, showing students techniques for note-taking, locating information, and synthesizing the information found to develop a paper. Additional importance is placed on informative speeches and format for speaking.

*Requirements to be placed in **LA10AC**: 3.0+ average in LA9 or LA9AC, and **ACT** score of 16+ in both English and Reading (or equivalent Accuplacer test scores) OR scoring at the 75th percentile or above on the spring MAP or by S. A. T. recommendation. To remain in **LA10AC** the second semester, students must maintain an 80% (3.0) or higher average in **LA10AC** the first semester. LA10AC is required for Val/Sal consideration.*

01003 LA 11

Grades : 11 - 12

1 unit credit

LA11 will integrate reading, writing, grammar and vocabulary into a whole language approach centered around the analysis of American literature and its historical significance. Emphasis will be placed on the six-trait writing model as exemplified in the multi-paragraph theme. Again, various technical writing assignments will be made to show students a variety of methods to present information. Research from a variety of sources will be emphasized in the research paper unit.

01102 LA 11AC

Grade: 11

1 unit credit

LA11AC will integrate reading, writing, grammar and vocabulary into a whole language approach centered around the analysis of American literature and its significance to the historical time periods in which it was written to a more in-depth, with more interdisciplinary connections than the regular language arts class. Emphasis will be placed on the six-trait writing model as exemplified in the multi-paragraph theme. A research paper will be required.

*Requirements to be placed in **LA11AC**: 3.0+ average in LA10 or LA10AC, and **ACT** score of 18+ in both English and Reading (or equivalent Accuplacer test scores) OR scoring at the 75th percentile or above on the spring MAP or by S. A. T. recommendation. To remain in **LA11AC** the second semester, students must maintain an 80% (3.0) or higher average in **LA11AC** the first semester.*

01004 LA 12

Grade: 12

1 unit credit

LA12 will integrate reading, writing, grammar and vocabulary into a whole language approach centered around English literature. Emphasis will be placed on the six-trait writing model as exemplified in multi-paragraph essays culminating in the senior research paper. British Literature will be looked at and students will improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time.

01103 LA 12AC

Grade :12

1 unit credit

This course will integrate reading, writing, grammar and vocabulary into a whole language approach centered around the analysis of British literature and its significance to the historical time periods in which it was written to a more in-depth level, with more interdisciplinary connections than the regular language arts class. Emphasis will be placed on the six-trait writing model as exemplified in the multi-paragraph theme. A research paper will be required.

*Requirements to be placed in **LA12AC**: 3.0+ average in LA11 or LA11AC, and **ACT** score of 20+ in both English and Reading (or equivalent Accuplacer test scores) OR scoring at the 75th percentile or above on the spring MAP or by S. A. T. recommendation. To remain in **LA12AC** the second semester, students must maintain an 80% (3.0) or higher average in **LA12AC** the first semester. LA12AC is required for Val/Sal consideration.*

01063 Public Speaking (Dual Credit)

Grades : 10 - 12

.5 unit credit

Public Speaking enables students, through practice, to develop communication skills that can be used in a variety of speaking situations (such as small and large group discussions, delivery of lectures or speeches in front of audiences, etc.). Course topics may include research and organization, writing for verbal delivery, stylistic choices, visual and presentation skills, analysis and critique, and development of self-confidence. *See Counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better will earn 3 college credit hours. ACT score not required.*

01103 - Composition 1 (Dual Credit)

Grades :11 -12

.5 unit credit

Composition courses focus on students' writing skills and develop their ability to compose different types of papers for a range of purposes and audiences. Students will explore and practice descriptive, narrative, persuasive, and expository styles as they write essays, formal documented papers, and literary analysis. *See Counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better will earn 3 college credit hours. Test score requirement: 18 on ACT or Accuplacer (English and Writing) equivalent.*

01103 - Composition 2 (Dual Credit)

Grades: 11 - 12

.5 unit credit

Composition courses focus on students' writing skills and develop their ability to compose different types of papers for a range of purposes and audiences. Students will explore and practice descriptive, narrative, persuasive, and expository styles as they write essays, formal documented papers, and literary analysis. *See counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better will earn 3 college credits. Prerequisite -pass Composition 1 with a C or better.*

01053 Reading for Pleasure (R4P)

Grades: 9 – 12

.5 unit credit

Literature courses offer the opportunity for students to study and reflect upon the themes presented in the body of literature being presented. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the reading selection and as they understand how the work reflects society's problems and culture. Oral discussion is an integral part of literature courses, and written compositions are often required. Literature courses may survey representative works, reflect a particular genre or a specific theme, or survey works of a particular time or people.

30100 21st Century Journalism

Grades: 9 – 12

1 unit of credit

21st Century Journalism promotes the development of the skill set needed today and in the future. 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.

01065 Film & Literature

Grades: 10 - 12

1 unit credit

This course explores the complex interplay between film and literature. Selected novels, short stories and plays are analyzed in relation to film versions of the same works in order to gain an understanding of the possibilities- and problems- involved in the transposition to film. This class will also investigate films that do not have written work as their inspiration to discover the ways in which these stories work in terms of our understanding of the nature of literature and the role it plays in our lives. *This course requires extensive reading (up to 150 pages/week) and writing on a regular basis in addition to viewing films and taking part in class discussions. *Offered during even years.*

01061 Gothic Literature

Grades: 10 - 12

1 unit credit

From vampires to ghosts, these frightening stories have influenced fiction writers since the 18th century. This course will focus on the major themes found in Gothic literature and demonstrate how the core writing drivers produce, for the reader, a thrilling psychological environment. Terror versus horror, the influence of the supernatural, and descriptions of the difference between good and evil are just a few of the themes presented. By the time students have completed this course, they will have gained an understanding of and an appreciation for the complex nature of dark fiction. This is a reading intensive course. *Offered during odd years.*

Mathematics

02052 Algebra I

Grade: 9

1 unit credit

Algebra I picks up where Pre Algebra leaves off. There is overlap with the Pre Algebra course, but this course extends into simplifying more complicated expressions and solving more complicated equations. Students will explore linear equations, functions, and inequalities, systems of equations, and quadratic expressions, equations, and functions. *Prerequisite- Successful completion of Pre-Algebra and/or teacher recommendation.*

02056 Algebra II

Grades : 9 - 12

1 unit credit

Algebra II follows Geometry or can be taken concurrently with Geometry with teacher recommendation. This course reinforces and extends algebraic concepts from Algebra I. Problem solving is stressed, particularly as it relates to other disciplines, especially science. Students will explore equations and inequalities involving absolute value, statistics as it relates to linear regression, linear and quadratic functions and equations, systems of equations and inequalities, and polynomial and radical equations and functions. Students will be introduced to trigonometry and analytical geometry.

Pre-requisite – Successful completion of Algebra I and Geometry.

02072 Geometry

Grades: 9 - 12

1 unit credit

This course is to follow Algebra I or can be taken concurrently with Algebra II with teacher recommendation. Geometry is designed to provide a study of postulates, theorems, and geometric symbols as used in proofs. The course will rely heavily on students' problem solving and reasoning skills. Students will explore angle relationships, parallel and perpendicular lines, congruent and similar triangles, quadrilaterals, and area and volume. Students will be introduced to right angle trigonometry and circles. *Prerequisite: Algebra I*

02106 Pre-Calculus

Grades: 10 - 12

1 unit credit

A very rigorous course, **Pre-Calculus** stresses abstract problem solving, analytical geometry, and trigonometry. Students will work a great deal with advance algebraic concepts like logarithms, binomial expansion, and analysis of functions and relations. Success in this class provides good preparation for success in college-level mathematics. *Prerequisite: Algebra II and Geometry.*

02055 Transition to College Algebra

Grade: 12

1 unit credit

Transition to College Algebra is a one year course delivered by the high school to seniors who will need College Algebra to meet their post-secondary goals but require additional academic preparation to place into that course.

02105 Calculus

Grades: 11 - 12

1 unit credit

Calculus studies topics traditionally offered in the first year of calculus in college. Topics studied include: limits, continuity, derivatives, integrals or algebraic and transcendental functions and their applications, and elementary differential equations. The class prepares the student for college-level mathematics. *Prerequisite: Pre-Calculus or College Trigonometry. Required for Val/Sal consideration.*

02201 College Elementary Statistics. (Dual Credit)

Grades: 11 - 12

.5 unit credit

College Elementary Statistics is offered only during the second semester following successful completion of **College Algebra**. Students passing the course with a C or better will earn 3 college credit hours. *See Counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better will earn 3 college credit hours. Prerequisite: College Algebra*

02057 College Algebra (Dual Credit)

Grades: 11 - 12

.5 unit credit

College Algebra follows successful completion of **Algebra II and Geometry**. College Algebra is offered second semester following Intermediate Algebra for seniors or first semester preceding Trigonometry or Statistics. Success in college level mathematics courses begins with a good understanding of algebra and the goal of this course is to help the student develop that understanding. *See Counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better will earn 3 college credit hours. Test score requirement: 20+ on ACT or equivalent on Accuplacer ACCM (Math Portion).*

12149 Personal Finance

Grades: 10 - 12

1 unit credit

Personal Finance provides an in-depth analysis of real life skills and how to apply these skills; will also give an analysis of Financial Literacy. What this class has to offer will benefit you now and after high school. Topics include: Career Decisions (choosing a career, planning for a career, getting a job, work laws, career development); Money Management (pay/benefits and working conditions, federal income tax, budgets and financial records, checking accounts and other banking services, assessing your financial health); Financial Security (saving for the future, investing for the future, investing in stocks, investing in bonds, investing in mutual funds, real estate, retirement and estate planning, assessing financial security); Credit Management (managing credit and debt, responsibilities and costs of credit, credit in America); Resource Management (personal decision making, renting a residence, buying a home, buying and caring for a vehicle, family decisions, managing resources); Risk Management (intro to risk management, property and liability insurance, health and life insurance, managing personal risks); Consumer Rights and Responsibilities (role of consumers in a free enterprise system, consumer protection, dispute resolution, exploring ethical issues). *May count as a math credit for seniors only with administrative approval.*

Mobile Equipment Maintenance

40150 General Service I

Grades: 10 - 12

1 unit credit

General Service I will provide students with basic theories and information needed to develop an understanding of automotive and light truck vehicles.

40152 General Service II (Dual Credit)

Grades: 11 - 12

1 unit credit

General Service II will provide students with knowledge in the theory of operation, the equipment and the skills necessary for employment in the field of automotive and light truck service. This class will be taught at SCCC. Students will enroll in Auto Tech/Auto Body for their Junior and Senior year.

40251 Research and Emerging Trends in Transportation

Grades: 12 (seniors only)

1 unit credit

Research and Emerging Trends will give opportunities to students in IHT, OJT, and /or internships. The full credit version requires more in-depth research opportunities, the creation of portfolio documentation of internship activities and the completions of the OSHA 10 safety certification course.

03053 Anatomy and Physiology (Human Body Systems) Grades: 10 - 12

1 unit credit

Following a comprehensive initial study of biology, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, etc.) and may dissect mammals.

Students must have an excellent understanding of biology and be approved by the instructor.

03052 Advanced Biology

Grade: 9

1 unit credit

Students will cover the same material as in Biology, while extending that material to more depth. Students will be required to do more project based assignments, as well as more individual work. *In order to be placed into Advanced Biology, students must earn a 3.0 in their middle school science classes or score a 215 RIT on their spring MAP Life Science Sub Section or by S. A. T. Recommendation. To remain in Advanced Biology the second semester, students must maintain an 80% (3.0) or higher average in Advanced Biology the first semester.*

03051 Biology

Grade: 9

1 unit credit

Biology will take a hands-on approach to the study of life science (*Biology*). Topics that will be explored include structure and function of cells, heredity and evolution, ecology, and organisms behavior and diversity. Tools such as computers and multimedia, along with regular science lab equipment, will be used to accomplish the course goals. *Required for Val/Sal and Kansas Scholar consideration.*

03101 Chemistry

Grades: 10 - 12

1 unit credit

Chemistry is designed to develop an understanding of the composition, structure and properties of matter and the changes it undergoes. Students will learn the basics of chemistry including: conversion between units, atomic structure, electron configuration, history and theories of matter, bonding, writing, chemical formulas, writing and balancing chemical equations, gas law, concentrations of solutions, acids and bases, stoichiometry and nuclear chemistry (removed oxidation-reduction). A good understanding of math is a necessity for this course. Students who fail the first semester of Chemistry, will not be permitted to enroll in the second semester. *Pre-requisite: Algebra 2. Required for Val/Sal and Kansas Scholar consideration.*

03052 College Biology and Lab (Principles of Biology) **(Dual Credit)** Grades: 11- 12

1 unit credit

A foundation course emphasizing human interaction and place within all levels of the biosphere and the scientific process. College Biology will incorporate six unifying principles: 1) Evolution: Patterns and Products of Change, 2) Interaction and Interdependence, 3) Genetic Continuity and Reproduction, 4) Growth, Development, and Differentiation, 5) Energy, and Organization, and 6) Maintenance of Dynamic Equilibrium. Inquiry oriented investigations will be used to introduce, explore, and expand on concepts discussed in the classroom. *See Counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better will earn 5 college credit hours. Test score requirements: 18+ on both English and Reading ACT and 15+ on Math ACT (or equivalent Accuplacer scores).*

03008 Earth and Space Science

Grades: 10-12

1 unit credit

Earth and Space Science introduces students to the study of Earth and the universe. Students explore topics related to Earth's place in the universe, Earth's systems, and the effect of human activities on Earth's surface processes. This course allows students to examine and explain more in-depth phenomena central not only to the earth and space sciences, but to life and physical sciences, as well.

03214 Forensic Science

Grades: 10 - 12,

1 unit credit

Forensic Laboratory science courses involve the application of biological, chemical, and physical science principles to data and physical evidence related to evidence collection and analysis. The courses focus on the application of scientific knowledge and scientific principles to collect, preserve, and analyze evidence in a laboratory setting. Topics may include but are not limited to entomology, forensic anthropology, serology, and fingerprinting. Biology is a prerequisite.

20055 Introduction to Unmanned Aircraft Grades: 10- 12

1 unit credit

Students explore topics related to the history, terminology, and operational theory of Unmanned Aircraft Systems (UAS). Students learn about UAS regulations, airspace classification, operating requirements, weather, and loading and performance. This course includes a lab where students receive flight training on multi-rotor unmanned aircraft. This course aligns to the current FAA standards for remote pilots operating small UAS, and students have opportunity to earn their Remote Pilot Certificate during the course. *Offered during even years.*

03151 Physics

Grades: 11 - 12,

Pre-requisite Trigonometry or Precalculus

1 unit credit

Designed to develop an understanding of the behavior and properties of matter in a wide variety of contexts, The **Physics** student will learn the basics of physics including: conversion between units, the laws and properties of matter and the forces acting upon it, linear motion in one and two dimensions, laws of motion, work, energy, momentum, and circular/rotational motion. A good understanding of math is a necessity. *Required for Val/Sal and Kansas Scholar consideration.*

Social Sciences

04100 American National Government. (Dual Credit) Grade : 12 .5 unit credit

This class offers concrete ways to meet civic responsibilities and exercise civic rights including ideas for developing and promoting political agendas, understanding the agendas of others, and navigating the rules of government to promote those agendas. The course is meant to provide comprehensive coverage informed by the guiding themes of power and citizenship as well as tools of analysis and participation that will stay with the student. The textbook and statistics in the form of charts and graphs will be used to examine the demographic trends that shape our national culture. This information is meant to help students to understand not only who we are, but also to consider how the characteristics, habits and lives of real people relate to the political issues that shape our society. *See Counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better will earn 3 college credit hours. ACT score not required. Fulfills the Government requirement for graduation.*

04149 American History 1. (Dual Credit) Grades: 11 - 12 .5 unit credit

American History 1 is a course designed to cover the social, political, and economic events that have shaped America from 1492 to 1865. *See Counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better will earn 3 college credit hours. ACT score not required. Counts for .5 of the U.S. History graduation requirement. Students are also required to take American History 2. Students wishing to receive college credit for second semester must see the Counselor to enroll for the second semester prior to the SCCC deadline.*

04149 American History 2 (Dual Credit) Grades: 11 - 12 .5 unit credit

American History 2 is a course designed to cover the social, political, and economic events that have shaped America from 1865 into the 21st century. *See Counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better will earn 3 college credit hours. ACT score not required. Fulfills Government graduation requirement. Students wishing to receive college credit for second semester must see the Counselor to enroll for the second semester prior to the SCCC deadline.*

04155 Current Events Grades 9 – 12 1 unit credit

Course provides students with an introduction to the relationships that exist among nations, including an examination of the modern state; the foreign policies of nations the dynamics of nationalism, ideology, and culture; and the role of international organizations. Course may also emphasize contemporary events.

12105 Economics Grades: 11- 12 1st semester .5 unit credit

Economics is designed to give students an understanding of economics. The course will increase the students' economic literacy so they may better understand economic development within our country and around the world. It will also provide a background in economic theory, which will aid students in any future study of economics. All students are required to successfully complete one semester of Economics or General Psychology for graduation.

04051 Geography & World History Grades: 10 - 12 1 unit credit

The course consists of a review of world history from the Renaissance to the present. Political geography will be incorporated in this course. *Counts for geography/world history graduation requirement.*

04101 United States History Grades: 11 - 12 1 unit credit

US History reviews United States History from the 1492 to the present. *Counts for U.S. History graduation requirement.*

04151 United States Government Grade : 11-12 2nd semester .5 unit credit

This course will cover the Constitution of the United States, the administration of the national government, a study of state government operation, and the local governments used in the U. S. Fulfills the Government requirement for graduation.

04001 World Civilization I (Dual Credit) Grades: 10 - 12 .5 unit credit

World Civilization I is designed to examine the social, political, and economic, and technological events that have shaped world societies from prehistory to the 17th century. The course will emphasize the unique nature of each civilization and its contributions to the global community, as well as the interactions between these civilizations. For each unit of credit, a minimum of three hours per week with one of the hours for class and two hours for studying/preparation outside of the class is expected. *See Counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better will earn 3 college credit hours. ACT score not required. Counts for the World History portion of Geography/World history graduation requirement.*

04001 World Civilization II (Dual Credit) Grades: 10 - 12 .5 unit credit

World Civilization II is a course designed to examine the social, political, and economic, and technological events that have shaped world societies from the 17th century to the Modern World. The course will emphasize the unique nature of each civilization and its contributions to the global community, as well as the interactions between these civilizations. For each unit of credit, a minimum of three hours per week with one of the hours for class and two hours for studying/preparation outside of the class is expected. *See Counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better will earn 3 college credit hours. ACT score not required. Counts for the World History portion of Geography/World history graduation requirement.*

04256 Developmental Psychology (Dual Credit) Grades: 10 -12 .5 unit credit

Survey courses of human behavior. This course is the study of how and why people change over time, as well as how and why they remain the same, from conception to death. Attention is given to emotional, social, intellectual, physical, perceptual and psychological development. *See Counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better will earn 3 college credit hours. ACT score not required.*

04256 General Psychology (Dual Credit)

Grades: 10 - 12

.5 unit credit

Survey courses of human behavior. The student will be introduced to the development and learning aspects of human behavior. Specific emphasis is placed on motivation, emotion, personality, perception, social interaction, adjustment and mental health. *See Counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better will earn 3 college credit hours. ACT score not required.* All students are required to successfully complete one semester of Economics or General Psychology for graduation.

04258 Sociology (Dual Credit)

Grade: 10 -12

.5 unit credit

This course will study the factors in the social life of people. It will include the study of group behavior, culture, socialization, social groups. The nature of specific organizations of groups; their activities and the social influences that affect personalities, behavior and social change. *See Counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better will earn 3 college credit hours. ACT score not required.*

45004 Human Growth and Development (Dual Credit)

Grades: 10 - 12

.5 unit credit

This course is the study of how and why people change over time, as well as how and why they remain the same, from conception to death. Attention is given to emotional, social, intellectual, physical, perceptual and psychological development. *See Counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better will earn 3 college credit hours. Test score requirement: 18+ on Reading portion of ACT or equivalent Accuplacer score.*

Supplemental and Miscellaneous Programs

22001 ACT Test Prep

Grades: 10-12

.5 unit credit

The purpose of ACT Prep at Hugoton High School is to help college-bound sophomores, juniors, and seniors better prepare for the ACT examination. The semester long course will provide an overview of the test for the English and Math portions. Students will be given practice ACT examinations. Although the class is available to sophomores and juniors, preference for fall enrollment will be given to seniors who have not achieved an ACT score allowing them to enroll in non-remedial college courses. Spring semester enrollment will be available on a first come, first served basis.

22997 Edgenuity

Grades: 9 - 12

Not seeing what you would like as an elective that is tied to your Individual Plan of Study? Contact the counselor for details on options using virtual learning. These courses are available for students who are able to learn independently and work in a virtual environment.

DRE 1200 Drivers Education

Grades: 9 -12

.5 unit credit

Drivers Education instruction will take place during the summer. Students will attend mandatory classroom instruction the early part of June as stated by the instructor. Driving will take place as set up by the instructor during June and July. The cost of the class is \$150.00 and is due upon enrollment. All upper classmen will be assigned before Freshmen and 8th graders.

22998 Miscellaneous Workplace Experience

Grade: 12

1 unit credit

Workplace Experience courses provide students with work experience in a field related to their interests. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the work place.

Archived Courses

21004 Principles of Engineering Grade 11 - 12

1 unit credit

In Principles of Engineering, basic scientific and mathematic ideas are applied to engineering challenges. Students will be asked to practice mathematic ideas while applying them to the physical world. Topics covered in Principles of Engineering include, but are not limited to: History of Engineering, Simple Machines, Energy, Reverse Engineering, Sketching and Statics and Kinematics.

03159 Advanced Physical Science Grade :10

1 unit credit

Students will cover the same material in Physical Science, while extending that material to more depth. Students will be required to do more project based assignments, as well as more individual work. *Pre-requisites- student must (1) score in the 75th % on their Math MAP, (2) earn at least 85% in their current science class, (3) have completed Alg. II, and/or (4) be recommended by both their current science and math teachers.* To remain in Advanced Physical Science the second semester, students must maintain an 85% or higher average in Advanced

03159 Physical Science Grade: 10

1 unit credit

Physical Science involves studies of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions. It is recommended that students take Physical Science prior to taking Chemistry.

02055 Intermediate Algebra Grade: 12

.5 unit credit

Available first semester for seniors who have successfully completed Geometry and Algebra II. It may be offered for college concurrent credit or just high school credit. This class is followed by College Algebra second semester. This is a college level remedial course designed to prepare students who do not have a qualifying test score for College Algebra. *See Counselor for registration. Fees and tuition rates apply. Test Score requirement: 18+ on ACT or 29 or below on Accuplacer ACCM (Math portion only).*

02103 College Trigonometry Grades: 11 - 12

.5 unit credit

College Trigonometry is offered only during the second semester following successful completion of **College Algebra**. Students passing the course with a C or better will earn 3 college credit hours. *See Counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better will earn 3 college credit hours. Prerequisite: College Algebra*

02071 Applied Geometry Grades: 10 - 12

1 unit credit

Students would generally take this class after Algebra I or Algebra 1 Part 2. This course emphasizes a practical approach to the study of geometry and deemphasizes the abstract, formal approach. Topics typically include properties of and work with plane and solid figures; inductive methods or reasoning and use of logic; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles. This geometry class is taught without proofs. Topics will be applied in real world situations. *Pre-requisite – Algebra I and teacher recommendation.*

06103 Advanced Spanish Grades: 11 - 12

1 unit credit

This course is designed for the student who has previous knowledge of Spanish. Students will study the mechanics of Spanish grammar and spelling punctuation and will be exposed to a variety of Spanish literature which they will read, analyze, and discuss. They will research the current events, art, music and cuisine of Spanish speaking countries, and they will experience extensive writing and conversation practice. This course is open only to those who have taken Spanish I and II or who have tested out of Spanish I and II **and** have the teacher's recommendation.

06101 Elementary Spanish I Grades: 10 -12

1 unit credit

Spanish I is designed to introduce students to the study of a second language. Emphasis will be given to establishing basic listening, speaking, reading and writing skills. Students will learn greetings, vocabulary relating to school, family relationships, housekeeping and shopping. They will also learn all regular and many irregular present tense verb conjugations. Attention is paid to promoting cultural Mexico and the Latino influence in the United States. This course will establish fundamental language skills and motivate students to communicate in a second language.

This class qualifies for part of the foreign language requirement for Kansas Scholar and ValSal consideration and is a concurrent college class w/SCCC. See Counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better

06102 Elementary Spanish II Grades: 10 -12

1 unit credit

Spanish II builds on and expands the listening, speaking, reading, writing and conversational skills established in *Spanish I*. Students will learn preterit, imperfect, future and imperative tense verb conjugations (indicative mood). They will learn vocabulary relating to food, meals at home and in a restaurant, shopping, health, feelings, vacations and celebration. Students will research different Spanish speaking countries with an emphasis on South American countries and cultures. The course will prepare students with skills necessary to read, write, listen, and converse in everyday settings.

Prerequisite: Elementary Spanish I. This class qualifies for part of the foreign language requirement for Kansas Scholar and ValSal consideration and is a concurrent college class w/SCCC. See Counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better will earn 5 college credit hours. ACT score not required.

18052 Horticulture

Grades: 10 - 12

1 unit credit

Introductory course for students interested in the horticulture science field. Topics covered include overview of the horticulture industry, basic plant science, soils, plant propagation, plant and seed identification, landscape maintenance, landscape installation, turf grass management, basic floral design, and greenhouse production practices. *Class form at: discussion, laboratory demonstration, group projects, individual development skills and field trips.*

18403 Agriculture Structures

Grades: 11 - 12

1 unit credit

Agriculture Structures courses provide students with the skills and knowledge that are specifically applicable to the construction, maintenance, and repair of structures integral to the agricultural industry, including but not limited to animal enclosures. *Class form at: discussion, guest speakers, interviews with business leaders, presentations and field trips.* **(Completion of Agri-science is required)**

01054 American Literature

Grade: 11 - 12

.5 unit credit

Focus is upon commonly known American authors and their work. Students improve their critical – thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses, and written compositions are often required.

01056 British Literature

Grade: 11 - 12

.5 unit credit

Course provides a survey of British literature or may focus on a selected timeframe of England's history. Students improve their critical – thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses, and written compositions are often required.

01105 Technical Writing

Grades: 11 - 12

.5 unit credit

This class prepares students to write research papers and/or technical reports. These classes emphasize researching (primary and secondary sources), organizing (material, thoughts, and arguments), and writing in a technical style.

01106 Research and Communication

Grades: 11 - 12

.5 unit credit

This class prepares students to write research papers and/or technical reports. These classes emphasize researching (primary and secondary sources), organizing (material, thoughts, and arguments), and writing in a persuasive style.

01201 Laugh Your Way Through Grammar

Grades: 11 - 12

.5 unit credit

Involves the study of the English language -its roots and derivations, structure and sentence patterns, dialects, writing and spelling systems, and uses as a communication tool.

10210 Animation

Grades: 10 -12

1 unit credit

Students will learn how to create and edit vector paths, use advanced animation techniques, action script animation - programming principles, modular code, add audio, video basics and embedded video to create videos. They will also learn about color concepts and design to create videos for different applications.

30103 Audio Video Production Fundamentals

Grades 10 -12

.5 unit of credit

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 explore the equipment and techniques used to develop a quality audio video product.

10040 Emerging Technologies

Grades: 9-12

1 unit credit

New advances in technology offer promise of more efficiency, convergence of existing technologies, improved productivity and represent progressive development. The degree of impact, status, deployment and economic viability affect future opportunities for society.

10203 Interactive Media

Grades: 10 - 12

1 unit credit

Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification.

30105 Photo Imaging

Grades: 10 - 12

.5 unit credit

Students are taught the technical skills needed to produce quality images for use in a variety of applications. Topics include use of equipment, software and techniques to take, edit and manipulate digital images. **“Qualifies as a Fine Art”**

30150 Video Production

Grades 10 – 12

.5 unit of credit

Video Production applies the technical skills learned in Audio Video Production Fundamentals by allowing students to orchestrate projects from setting the objectives to the post-production evaluation. The subject of the presentation may be determined in a number of ways, but must address an authentic need. The complexity of the presentation is not the focus of this course but the experience of the entire process is. Including planning the presentation, setting up the studio (if applies), acting as the videographer, and editor to make it fluid and seamless.

12153 Marketing

Grades: 11 - 12

1 unit credit

Marketing - Comprehensive courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics may include (but are not limited to) market research, the purchasing process, distribution systems, warehouse and inventory control, salesmanship, sales promotions, shoplifting and theft control, business management, and entrepreneurship. Human relations, computers and economics are often covered as well.

21107 Drafting /CAD

Grades: 9 - 12

1 unit credit

Engineering Applications courses provide students with an overview of the practical uses of a variety of engineering applications. Topics covered usually include hydraulics, pneumatics, computer interfacing, robotics, computer-aided design, computer numerical control, and electronics.

21109 Research and Design for Pre-Construction Grades : 10 - 12**1 unit credit**

Advanced research and application course that covers specific topics in design and pre-construction (drafting/architecture) to include management and “green design” skills.

17005 Research & Design in Building Trades Grades : 10 - 12**1 unit credit**

Advanced research and application course that covers specific topics in design and building trades (drafting/architecture) to include management and “green design” skills.

22298 Work Study Grade: 12, **2nd semester only****.5 unit credit**

Available to **SENIORS ONLY** who desire to supplement their course schedule with work experience. The number of hours allowed to receive elective credit are specified in the Hugoton High School Handbook. Each student is evaluated at the end of each nine week grading period. Students are required to seek their own job locations, and each job must be approved by the principal. Evaluations are conducted on a pass/fail basis, and are not computed as part of the cumulative grade point average.

04051 World Regional Geography Grades: 10 - 12**.5 unit credit**

World Regional Geography is a study of geography that will examine cultural, economic, physical, and political aspects of the world from a social science perspective. Emphasis will be placed on this topical approach, as will human interaction with the earth in more and lesser developed settings. For each unit of credit, a minimum of three hours per week with one of the hours for class and two hours for studying/preparation outside of class is expected. *See Counselor for registration. Fees and tuition rates apply. Students passing the course with a C or better will earn 3 college credit hours. ACT score not required. Counts for the Geography portion of Geography/World History graduation requirement.*