

***HAVEN HIGH SCHOOL  
CURRICULUM GUIDE  
2024-2025***



Haven High School  
400 E. 5<sup>th</sup> St., Haven, KS 67543  
Phone: 620-465-2585/ Fax: 620-465-7729

*HAVEN HIGH SCHOOL CURRICULUM GUIDE*  
*TABLE OF CONTENTS*

GRADUATION REQUIREMENTS FOR 2025	03
GRADUATION REQUIREMENTS FOR 2026	04
GRADUATION REQUIREMENTS FOR 2027	05
GRADUATION REQUIREMENTS FOR 2028	06
KANSAS QUALIFIED ADMISSIONS QUICK FACTS	07
KANSAS STATE SCHOLARS QUICK FACTS	08
KANSAS CTE SCHOLAR	09
CURRICULUM GUIDELINE	10
CORE COURSES	11
LANGUAGE ARTS	11
MATHEMATICS	13
SCIENCE	16
SOCIAL STUDIES	19
ELECTIVE COURSES	21
AGRICULTURAL SCIENCES	21
BUSINESS EDUCATION	25
COMPUTER EDUCATION	28
FAMILY & CONSUMER SCIENCES	30
FINE ARTS	33
ART	33
DEBATE/FORENSICS	35
INSTRUMENTAL MUSIC	37
VOCAL MUSIC	38
FOREIGN LANGUAGE	39
INDUSTRIAL TECHNOLOGY	42
JOURNALISM/DIGITAL MEDIA	44
PHYSICAL EDUCATION	45
MATH/ENGINEERING	47
SOCIAL STUDIES	48
INTERSHIPS	49
HCTEA (VO-TECH)	50
DUAL CREDIT COURSES	50
OTHER COURSES	53

*Haven High School - GRADUATION REQUIREMENTS for 2025*

**\*Units required for graduation = 24** (17 units are the required courses listed below )

**\*All students will enroll in 7 classes a day.**

**\*Seniors not meeting all graduation requirements will not be permitted to participate in Commencement exercises. Students are ineligible to receive a diploma if they have outstanding debts or remaining detention time not served.**

**\*Required Courses**

*Language Arts:	4 Units
*Math:	3 Units
*Science:	3 Units
*Social Science	3 Units
*Health	½ Unit
*Consumer and Personal Finance	½ Unit
*Financial Literacy	½ Unit
*Speech/Debate/Forensics	½ Unit
*Physical Education	1 Unit
*Fine Arts	1 Unit

**Electives:** 7+ Units

**Note:** Administration has the right to alter graduation required courses on a needs basis.

*Haven High School - GRADUATION REQUIREMENTS for 2026*

**\*Units required for graduation = 24** (16.5 units are the required courses listed below )

**\*All students will enroll in 7 classes a day.**

**\*Seniors not meeting all graduation requirements will not be permitted to participate in Commencement exercises. Students are ineligible to receive a diploma if they have outstanding debts or remaining detention time not served.**

**\*Required Courses**

*Language Arts:	4 Units
*Math:	3 Units
*Science:	3 Units
*Social Science	3 Units
*Health	½ Unit
*Financial Literacy	½ Unit
*Computer Apps	½ Unit
*Physical Education	1 Unit
*Fine Arts	1 Unit

**Electives:** 7.5+ Units

**Note:** Administration has the right to alter graduation required courses on a needs basis.

*Haven High School - GRADUATION REQUIREMENTS for 2027*

**\*Units required for graduation = 24** (16.5 units are the required courses listed below )

**\*All students will enroll in 7 classes a day.**

**\*Seniors not meeting all graduation requirements will not be permitted to participate in Commencement exercises. Students are ineligible to receive a diploma if they have outstanding debts or remaining detention time not served.**

**\*Required Courses**

*Language Arts:	4 Units
*Math:	3 Units
*Science:	3 Units
*Social Science	3 Units
*Health, Intro to Healthcare	½ Unit
*Consumer and Personal Finance	½ Unit
*Speech, Debate, Forensics, Journalism or Public Speaking	½ Unit
*Physical Education	1 Unit
*Fine Arts	1 Unit

**Electives:** 7.5+ Units

**Note:** Administration has the right to alter graduation required courses on a needs basis.

## Haven High School - GRADUATION REQUIREMENTS for 2028

\*Units required for graduation = 24 (17 units are the required courses listed below )

\*All students will enroll in 7 classes a day.

\*Seniors not meeting all graduation requirements will not be permitted to participate in Commencement exercises. Students are ineligible to receive a diploma if they have outstanding debts or remaining detention time not served.

### \*Required Courses

*Language Arts:	4 Units	*Financial Literacy	½ Unit
*Math:	3 Units	*Physical Education	1 Unit
*Science:	3 Units	*Fine Arts	1 Unit
*Social Science	3 Units	*Health/Intro to Health Care	½ Unit
*Speech/Debate/Forensics/Journalism/Public Speaking			½ Unit

\*STEM (computer science, advanced math, advanced science, robotics, advanced CTE, advanced technology, agriculture, etc.) 1 Unit

Classes can include: College Algebra, Trigonometry, Statistics, Chemistry if it is an extra credit in science, Physics, Robotics, Programming, Web Page Design, Internships (in Science, Technology, Engineering and Math, Ag), Particular Topics in Engineering. AgBusiness, Ag Leadership and Communications, Advanced Animal Science, Floriculture and Greenhouse, Ag Welding I, Ag Welding II, Ag Fabrication, Drafting, Sports Med II, Digital Media Design and Production, Game Design, CNA, CMA

IPS choices (emphasis on CTE/Pathway courses)	4.5 Units
Electives of choice	2 Units

**Postsecondary Assets** 2 or more from either of the two categories, aligned with the Individual Plan of Study

Career & Real World Examples:	CTE Scholar
Youth apprenticeship	Eagle Scout or Gold Scout
40 or more community service hours	4-H Kansas Key Award
Workplace learning experience directly related to a student IPS	90% Attendance
Industry recognized certifications - (CNA, CMA, SERVSAFE, KCCTO, MBA Mgt, PARA, PowerPoint)	
Two of more high school athletics/activities	

### Academic Examples:

ACT composite (Score of 21 or higher)	Completing Board of Regents Curriculum
WorkKeys level (Silver or Higher)	SAT score (1060 or higher)
9+ college hours	Senior project/senior exit interviews
ASVAB per requirements of military branch selected	
State Assessment scores of 3 or 4 for math, ELA, science (demonstrating college readiness)	

Completion of the FASFA or formally opted out.

**Note:** Administration has the right to alter graduation required courses on a needs basis.

## Kansas Qualified Admissions Kansas Qualified Admissions Quick Facts High School Graduates

### **What are Qualified Admissions?**

Qualified Admissions (QA) are a set of standards used by the six state universities to review applicants for undergraduate admission. The universities that use QA are Emporia State University, Fort Hays State University, Kansas State University, Pittsburg State University, the University of Kansas, and Wichita State University. These standards are set by the Kansas Board of Regents, the governing body for the state universities.

### **What are the new QA standards?** (for ESU, FHSU, PSU, and WSU)\*

- Achieve ONE of the following:

Cumulative High School GPA 2.25+

OR ACT score of 21 or higher OR rank in the top  $\frac{1}{3}$  of class (SAT 1060)\*

### **KU Admission Standards :**

Cumulative High School GPA 3.25+

OR Cumulative High School GPA 2.0+ and ACT score of 21+ ( SAT 1060)\*

### **K-State Admission Standards :**

Cumulative High School GPA 3.25+

OR ACT score of 21+ ( SAT 1060)\*

### **All Institutions Require:**

Cumulative High School GPA 2.0+ for college credits earned in high school.

### **Qualified Admissions Pre College Curriculum:**

The following units are recommended:

- English- 4 units, one unit taken each year
- Math- 3 units with ACT benchmark of 22 or 4 units with one taken in senior year
- Natural Science- 3 units with one unit in Chemistry or Physics
- Social Science- 3 units
- Electives- 3 units

**\*If you do not meet the qualified admission requirements, you are still encouraged to apply. Your application will be reviewed individually. Contact the university admissions office for more information.**

**This document provides a summary overview of admission requirements at state universities and is not a substitute for or to be used in lieu of the actual detailed admission requirements, which can be found at: [www.kansasregents.org/qualified\\_admissions\\_rules\\_regulations](http://www.kansasregents.org/qualified_admissions_rules_regulations).**

## Kansas Scholars State Scholars Quick Facts

### **What is the Kansas Scholars Curriculum?**

The Kansas Scholars Curriculum is one of the requirements Kansas residents must meet in order to receive State Scholar designation during the Senior year. This curriculum is NOT the same as the Qualified Admissions Curriculum.

### **What are the other requirements to become a State Scholar?**

- Students must have taken the ACT between April of the sophomore year and December of the senior year.
- Students must be a Kansas resident.
- Students must have their curriculum and 7th semester GPA certified on the official roster by the high school counselor, registrar, or similar official.

### **What is the benefit of completing the Kansas Scholars Curriculum?**

Students that complete the curriculum, and meet the other requirements, may be designated as State Scholars, which makes them eligible to receive State Financial Aid as provided by the Kansas Legislature.

*The academic profile of scholars included an average ACT of 30 and an average GPA of 3.90.*

State Scholars may receive up to \$1,000 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.

### **How is financial need determined?**

Financial need is measured by the Federal Methodology using data submitted on the FAFSA.

#### **Kansas Scholars Curriculum**

- English 4 approved units of English, one unit taken each year of high school
- Natural Science 3 approved units must include:
  - Biology • Chemistry • Physics A fourth year of science is recommended.
- Math 4 approved units from the following
  - • Algebra I\* • Trigonometry
  - • Geometry • College Algebra
  - • Algebra II • Calculus
  - \*Algebra I taken in the 8th Grade is accepted.
- Social Science 3 approved units approved courses from the following may be
  - Students must complete the following: used to complete the requirement:
  - • One unit of U.S. History • Psychology
  - • Minimum of 1/2 unit of • Sociology
  - U.S. Government • AP U.S. History-10
  - Minimum of 1/2 unit from: • Civics
  - • World History • World History
  - • World Geography • 20th Century Topics
  - • History in Film
  - • World Leaders
- Foreign Language 2 approved units of one foreign language.

**For more information about the Kansas Scholars Curriculum or State Scholar designation, contact the Kansas Board of Regents at (785) 296-3421 or visit the Board's website at [www.kansasregents.org](http://www.kansasregents.org)**



## **Kansas CTE Scholars Program**

*The Kansas CTE Scholar initiative is an opportunity to recognize well-rounded outstanding Career and Technical Education (CTE) students finishing their senior year of high school.*

### **Overview**

*Local school staff will determine whether a student has successfully met the Kansas CTE Scholar criteria explained below, and submit the submission form and documentation by March 1. (See the Kansas CTE Scholar Guide for additional information.)*

*Haven High school students who earn Kansas CTE Scholar status will be recognized in the following ways:*

- 1. Certificate with student's name*
- 2. Graduation honor cord*
- 3. Commemorative pin*
- 4. Statewide news release*
- 5. KSDE website recognition*

### **Criteria**

*All four criteria are required to earn the Kansas CTE Scholar achievement. Students should complete the application as specified in the CTE Scholar Guidebook. The four criteria are as follows.*

- 1. Senior level who has earned or presently enrolled in 3.0 or more credits within a pathway with CTE GPA of 3.5 or better in CTE coursework.*
- 2. Technical Skill Attainment:*
  - a. Earned end of pathway assessment/certification for completer status*
  - b. Certifications on [Kansas Pathway Assessments and Credentials \(K-PAC\)](#) list*
  - c. Earned Excel in [CTE Qualifying Recognized Credential](#) aligned to pathway*
  - d. Earned 9+ college credits aligned to pathway*
  - e. Complete a high-quality WBL experience in career prep category aligned to pathway according to the [WBL Digital Reference Guide](#)*
- 3. Civic engagement with verification letter OR 100 hours of community service*
- 4. Career Vision Summary Statement, less than 175 words*

## GRADE LEVEL CURRICULUM OPTIONS

### 9<sup>th</sup> Grade

English 9 / English 9 RR  
Algebra A / Algebra I / Geometry / Math RR  
Physical Science / General Science A/B  
Health  
Physical Education  
Speech  
2.5 - 3 Electives  
Driver's Education (Summer before or summer after 9<sup>th</sup> grade)

### 10<sup>th</sup> Grade

English 10 / English 10 RR  
Algebra I / Algebra B / Geometry / Algebra II / Math RR  
Biology / Physical Science / General Science A/B  
Speech  
Art or Music (Fine Arts Requirement - suggested if you have not previously taken)  
World History  
2 Electives

### 11<sup>th</sup> Grade

American Literature & Research Writing / Young Adult Literature & Writing / Contemporary Literature & Writing /  
English RR  
Algebra C / Algebra II / Geometry / College Algebra / Trigonometry / Statistics / Math RR  
Chemistry / Earth and Space Science / Plant and Soil  
US History  
Computer Apps (can take any time throughout high school career)  
3 Electives

### 12<sup>th</sup> Grade

American Literature & Research Writing / Young Adult Literature & Writing / Contemporary Literature & Writing /  
English Composition 1 & 2 / English RR  
Government and Public Administration Fundamentals  
Financial Literacy  
Geometry / Algebra II / Algebra C / College Algebra / Trigonometry / Statistics / Calculus / Math RR  
Physics / Anatomy & Physiology  
2.5 - 3 Electives

# ~ Core Courses ~

## LANGUAGE ARTS COURSES

### **ENGLISH 9** (ENG115)

Grade Level: 9

Length of Course: 1 Year

Credit: 1 Unit

English Nine focuses on written communication skills and knowledge of literary elements. Students will utilize both narrative and informative essays to address a variety of topics. English Nine will cover an extensive scope of literature including: short stories, Greek Mythology, Shakespeare, and gothic literature. Emphasis is placed on vocabulary, grammar, and an overall knowledge of English content. Grades are comprised of written products, tests, quizzes, daily assignments, and group projects.

### **ENGLISH 10** (ENG123)

Grade Level: 10

Length of Course: 1 Year

Credit: 1 Unit

This course will engage students in the careful reading and critical analysis of literature and non-fiction texts. Through the close reading of selected texts, students will deepen their understanding of how writers use language to serve a variety of purposes. As they read, students will consider a work's structure, style, tone, and themes as well as smaller-scale elements, such as the use of figurative language, imagery, and symbolism. Students will also learn to determine an author's purpose and means of achieving that purpose. Students will practice writing both on-demand and full-process essays based upon their close readings of a variety of literature. Grades will be determined by written products, tests, quizzes, daily assignments, and group projects.

**\*Note:** Juniors and Seniors may choose from the following classes for their English credits. Suggested courses for future plans are as follows:

*Option 1 -- for those who 100% know they are going to college*

**Junior year:** American Literature & Research Writing

**Senior year:** English Composition I & II

*Option 2 -- for those who think they might be going to college, but are not sure yet or would like to prepare more for college-level writing*

**Junior year:** Young Adult Literature & Writing **OR** Contemporary Literature & Writing

**Senior year:** American Literature & Research Writing

*Option 3 -- those who 100% know they are going into the career force/trade school after high school*

**Junior year:** Young Adult Literature & Writing **OR** Contemporary Literature & Writing

**Senior year:** Young Adult Literature & Writing **OR** Contemporary Literature & Writing

### **AMERICAN LITERATURE & RESEARCH WRITING**

Grade Level: 11-12

Length of Course: 1 year

Credit: 1 Unit

Prerequisites: None

For students who might not have a particular interest in a specific genre of literature or a certain author's style, this course will provide an overview of the literature of America, similar to survey courses offered at most colleges and universities. Students will examine various literary genres including fiction, poetry, drama, and nonfiction. Reading comprehension, analytical skills, writing development, and personal growth will be emphasized. Discussions will revolve around the impact of the time period, culture, and society on American authors and literature. This course will also include narrative, expository, argumentative, literary analysis, and research writing where students will develop analytical, composition, and research skills as well as techniques for formatting essays according to MLA requirements. This course is in preparation and a **requirement** for College Composition.

### **YOUNG-ADULT LITERATURE & WRITING**

Grade Level: 11-12

Length of Course: 1 year

Credit: 1 Unit

Prerequisites: None

Young Adult Literature and Writing introduces students to novels, short works, and poetry that address issues relevant to young adults. Genres may include (but are not limited to) fantasy/dystopian, nonfiction, historical fiction, and realistic fiction. Reading comprehension, analytical skills, writing development, and personal growth will be emphasized. Discussions and assignments will include a study of the genre, theme, character, culture, society, and literary lens and how it may impact young adults. Examples of coursework may include author studies, literary analysis, journals, group discussions, reflections, narrative, expository, persuasive, argumentative, creative, analytical, and descriptive writing, assessments, creative and technical writing, group projects, and project-based learning.

### **CONTEMPORARY LITERATURE & RESEARCH WRITING**

Grade Level: 11-12

Length of Course: 1 year

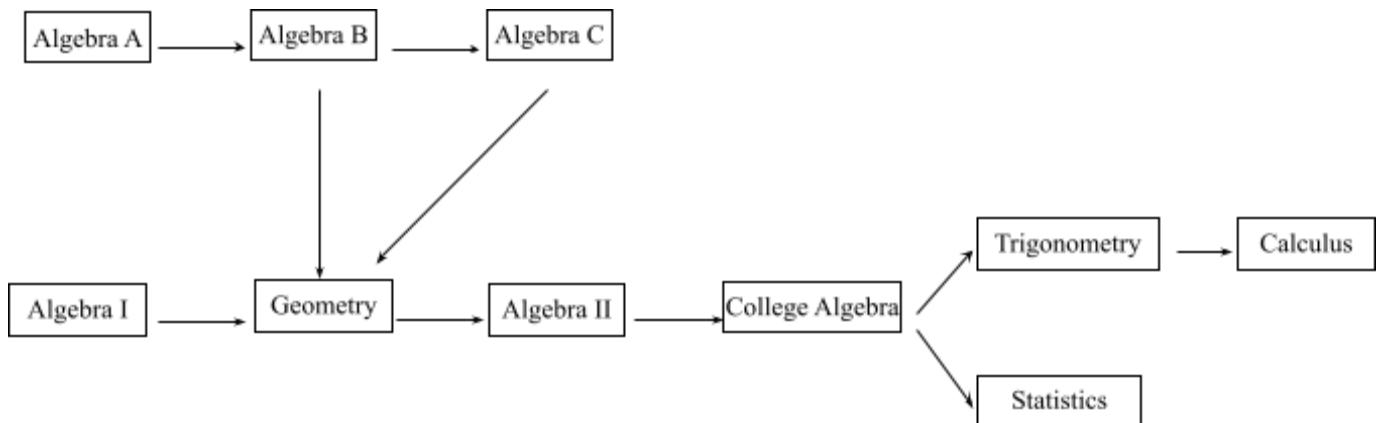
Credit: 1 Unit

Prerequisites: None

Using a global perspective, Contemporary Literature explores works written in the twentieth century to the present. Students may read novels, short works, fiction, nonfiction, poetry, and drama. Reading comprehension, analytical skills, writing development, and personal growth will be emphasized. Discussions and assignments will include analysis of theme, character, culture, society, literary lens, and contemporary issues and how these may have impacted the author and/or literature. Examples of coursework may include author and culture studies, group discussions, reflections, narrative, expository, persuasive, argumentative, creative, analytical, and descriptive writing, and project-based learning.

Note: See Dual Credit section for English Comp I & II

## MATH COURSES



**There are limited TI-84 calculators available to check out from the instructor**

### **ALGEBRA (A)** (MAT211)

Grade Level: 9

Length of Course: 1 Year

Credit: 1 Unit

Required Materials: A calculator (TI-30 suggested) and 3-ring notebook.

This course is designed for the student who needs additional practice to obtain mastery and instruction at a slower rate. Algebra A will cover the first half of the curriculum in the regular Algebra I course. This course must be followed by Algebra B.

### **ALGEBRA (B)** (MAT215)

Prerequisite: Algebra A

Grade Level: 10-12

Length of Course: 1 Year

Credit: 1 Unit

Required Materials: calculator (TI-30 or higher is recommended) and a 3 ring notebook

This course is designed for the student who needs additional practice to obtain mastery and instruction at a slower rate. Algebra B will cover the second half of the curriculum in the regular Algebra I course. This course must be preceded by Algebra A.

### **ALGEBRA (C)** (MAT219)

Prerequisite: Algebra A & Algebra B

Grade Level: 11-12

Length of Course: 1 Year

Credit: 1 Unit

Required Materials: A calculator (TI-30 or higher is recommended) and a 3 ring notebook

This course is designed for the student who needs additional practice to obtain mastery and instruction at a slower rate. This course will cover the important topics from Geometry and Algebra II in depth, and at a slower pace, to ensure mastery of these skills.

**ALGEBRA I** (MAT212)

Grade Level: 9-10

Length of Course: 1 Year

Credit: 1 Unit

Required Materials: A calculator (TI-30 suggested) and a 3 ring notebook.

The study of algebra will organize your thoughts to solve mathematical problems that you will meet in your everyday life. The course will prepare you to continue your studies in mathematics and the sciences. The course will place its emphasis on the number system and the operations within it.

**GEOMETRY** (MAT222)

Prerequisite: Algebra I or Alg. A and B

*(Freshmen wishing to enroll in Geometry must have scored an 85% or higher in Algebra I)*

Grade Level: 9-12

Length of Course: 1 Year

Credit: 1 Unit

Required Materials: TI-30 (or higher) calculator and a 3 ring notebook

The major emphasis in geometry is placed upon the formal construction of both a direct and indirect proof. There is also an extended look at coordinate geometry and its relationship to algebra. Solid geometry is also incorporated from time to time in order to acquire skills in spatial visualization.

**ALGEBRA II** (MAT233)

Prerequisite: Algebra I, Geometry

Grade Level: 9-12

Length of Course: 1 Year

Credit: 1 Unit

Required Materials: TI-84 model graphing calculator and a 3-ring notebook

This course is designed to give the student an understanding of the structure of the systems of real and complex numbers and to enable the student to comprehend the function concept and its importance in mathematics. In addition, many topics discussed in Algebra I will be dealt with in more detail, especially concerning the solution of a system of equations and their application. A study of the trigonometric functions will also be considered. Moreover, sequences, patterns, probabilities, and matrix algebra will be dealt with during the course.

**COLLEGE ALGEBRA** (MAT244F)

Prerequisite: Algebra I, Geometry, and Algebra II

Grade Level: 10-12

Length of Course: 1 Semester (Fall)

Credit: ½ Unit OR 3 college credit hours

Required Materials: TI-84 graphing calculator and a 3-ring notebook

This is a college-level course and is offered as dual-credit through HCC. To receive college credit from HCC, the student must meet enrollment qualifications, as well as pay for the credits. The class will cover the theory of equations, functions, inverse functions, complex numbers, and matrices.

**TRIGONOMETRY** (MAT246S)

Prerequisite: College Algebra

Grade Level: 10-12

Length of Course: 1 Semester (Spring)

Credit:  $\frac{1}{2}$  Unit OR 3 college credit hours

Required Materials: TI-84 graphing calculator and a 3-ring notebook

This is a college-level course and is offered as dual-credit through HCC. To receive college credit from HCC, the student must meet enrollment qualifications, as well as pay for the credits. The class will cover the study of the six trigonometric functions and their inverses with emphasis on basic formulas, identities, and solutions of right and oblique triangles.

**STATISTICS** (02209)

Prerequisite: College Algebra

Grade Level: 11-12

Length of Course: 1 Semester (Spring)

Credit:  $\frac{1}{2}$  Unit OR 3 college credit hours

Required Materials: TI-84 graphing calculator and a 3-ring notebook

This is a college-level course and is offered as dual-credit through HCC. To receive college credit from HCC, the student must meet enrollment qualifications, as well as pay for the credits. The students will learn elementary statistics applications that are necessary for many college majors.

**CALCULUS** (MAT245)

Prerequisite: 80% or higher in BOTH College Algebra & Trigonometry

Grade Level: 11-12

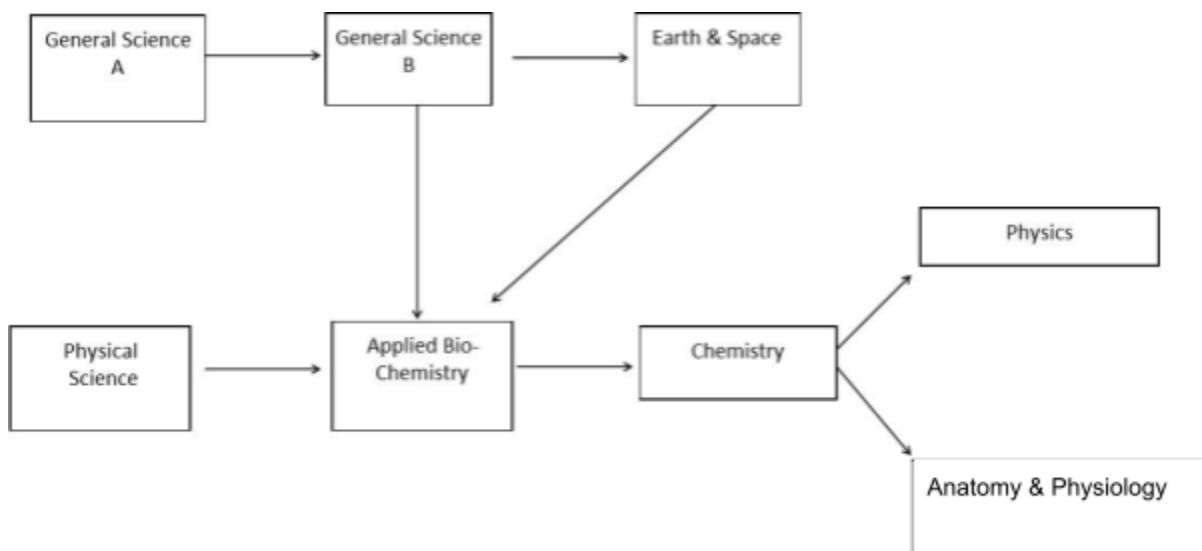
Length of Course: 1 Year

Credit: 1 Unit OR 5 college credit hours

Required Materials: TI-84 graphing calculator and a 3-ring notebook

This is a college-level course and is offered as dual-credit through HCC. To receive college credit from HCC, the student must meet enrollment qualifications, as well as pay for the credits. Calculus is designed for the student who has excelled in all of the prerequisite courses. The student must be willing to be challenged. Areas of focus will be derivatives, integrals, limits, and applications of each.

## SCIENCE COURSES



### **PHYSICAL SCIENCE** (SCI412)

Grade Level: 9

Length of Course: 1 Year

Credit: 1 Unit

Physical Science is a study of matter, energy, and their relationships through chemistry and physics. Its main purpose is to provide the students with knowledge of the physical world. It will include an investigation of the nature of solids, liquids, and gasses. It will acquaint the student with the scientific method of inquiry. Student performance in the course will be evaluated by assignments, laboratory experiments, and testing.

### **GENERAL SCIENCE 1A** (SCI413)

Prerequisite: Teacher Recommendation/ Instructor Approval

Grade Level: 9 and 10

Length of Course: 1 Year

Credit: 1 Unit

General Science 1A will take a look at the fundamental units of Life Science. Its main purpose is to teach students about science in today's world. The student will engage in multiple "hands-on" activities, as well as using science as an inquiry. Student performance will be assessed by using assignments, lab experiences, and testing.

### **GENERAL SCIENCE 1B** (SCI414)

Prerequisite: Teacher Recommendation/ Instructor Approval

Grade Level: 9 and 10

Length of Course: 1 Year

Credit: 1 Unit

General Science 1B will probe into the world of Physics and Earth & Space Science. It will help the students understand our vast universe. The student will have a fundamental concept of velocity, acceleration, and momentum. Students will use science as an inquiry and display this knowledge during lab activities. Student performance will be assessed by using assignments, lab experiments, and testing.



**BIOLOGY** (03051)

Grade Level: 10-12

Length of Course: 1 Year

Credit: 1 Unit

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy. Special attention should be given to health careers, related technical skills, and technology associated with these professions.

**CHEMISTRY** (SCI433)

Prerequisite: Algebra I, Geometry &amp; Physical Science

Grade Level: 11-12

Length of Course: 1 Year

Credit: 1 Unit

The first semester will consist of a study of the metric system, unit conversions, and the organization of the periodic table, along with reading and understanding chemical formulas and chemical equations. The second semester will consist of the gas laws, mixtures, stoichiometry, acids/bases, and simple organic chemistry. This course also exposes students to technical writing skills. Doing assignments, writing lab reports and testing will measure the student's performance in the class. Calculators will be extensively used in the course. Satisfactory completion of Algebra I and Geometry are required.

**EARTH & SPACE SCIENCE** (SCI431)

Prerequisite: 2 years of science courses

Grade Level: 11-12

Length of Course: 1 Year

Credit: 1 Unit

This class is an option for students needing a third year of science to meet graduation requirements. Earth topics will include rocks, minerals, geological land formations, erosion, earthquakes and volcanoes, as well as the study of meteorology including hurricanes and tornadoes. Space topics will include the sun, moon, and stars, including galaxies and constellations. The history of space exploration, including NASA's roll, will also be covered.

**PHYSICS** (SCI444)

Prerequisite: Algebra I, Algebra II, &amp; Physical Science

Grade Level: 11-12

Length of Course: 1 Year

Credit: 1 Unit

The first nine weeks will consist of a study of Physics in the modern world, measurement, vectors, force and rectilinear motion. The second nine weeks will consist of a study of curvilinear motion, energy, work and power and a study of thermodynamics. The third nine weeks will consist of a study of wave transfer of energy as related to sound and light, a study of electrostatics, direct current electricity, alternating electricity, and magnetic effects and electronics.

The students' performances in class will be measured by doing assignments, writing up lab experiments and testing.

Calculators will be extensively used in the course and a satisfactory completion of Algebra I and Algebra II is recommended.

**ANATOMY & PHYSIOLOGY** (03053)

Prerequisite: Biology, Chemistry

Grade Level: 12

Length of Course: 1 Year

Credit: 1 Unit

Anatomy and Physiology is a study of the structure and function of the human body. This course is in preparation for advanced biological studies, biomedical nursing, and other science based careers. The student will study the structure and function of the various cells, tissues, and integrated systems of the body.

## SOCIAL STUDIES COURSES

### **CIVICS** (04161)

Grade Level: 9-12

Length of Course: Semester

Credit Unit: ½ Unit

Civics courses examine the general structure and functions of U.S. systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system. These courses do not typically delve to the same degree of detail into constitutional principles or the role of political parties and interest groups as do comprehensive courses in U.S. Government.

### **WORLD HISTORY**

Grade Level: 10

Length of Course: 1 Year

Credit: 1 Unit

World History courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History—Overview courses may include geographical studies, but often these components are not as explicitly taught as geography.

### **US HISTORY** (04101)

Grade Level: 11

Length of Course: 1 Year

Credit: 1 Unit

US History is a required subject for juniors. It is a survey of US History from exploration to the present. Most of the second semester will involve the 20<sup>th</sup> century and will include audio-visual presentations and some outside reading.

### **GOVERNMENT AND PUBLIC ADMINISTRATION FUNDAMENTALS** (SOC332P)

Grade Level: 12

Length of Course: 1 Year

Credit: 1 Unit

This course will acquaint students with the origins, growth, development, and organization of government on the national, state, and local level. Areas to be emphasized will include past and present political and socio-economic systems, citizenship, suffrage, politics, and the operation of government at all levels. Students will be provided with practical information and problem solving skills in areas of contracts, civil and criminal law, and housing and family law. Current affairs on the state, national, and international level and their impact on our government system will also be discussed.

### **CAREER CONNECTIONS** (19298)

Prerequisite: Technical level courses as directed by specific pathway. Internship Coordinator Approval.

Grade Level: 12

Length of Course: 1 Year

Credit: 1 Unit

Career Connections courses provide human services/family and consumer sciences related work-based learning experiences (paid or unpaid) outside the traditional classroom. Learning goals are set by the student, teacher and employer/adult mentor to created field experiences and/or discussions related to human services/family and consumer sciences occupational technical skills.

**GOVERNANCE APPLICATIONS** (43250)

Prerequisite: Technical level courses as directed by specific pathway. Internship Coordinator Approval.

Grade Level: 12

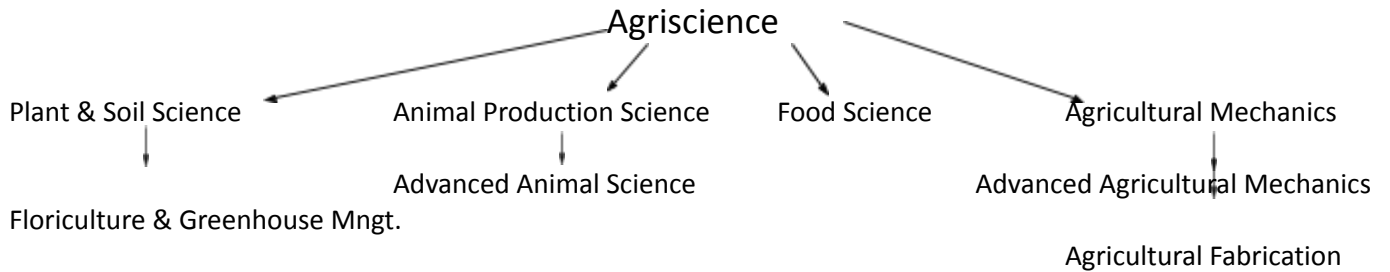
Length of Course: 1 Year

Credit: 1 Unit

This course applies the skills needed in government and public administration professions. It includes the application of leadership and teamwork within the classroom or as an intern at a work location. Topics may include working within budgets, negotiation/communication with co-workers, developing proposals, making oral presentations and making informed decisions to meet an identified need.

# ~ Elective Courses ~

## AGRICULTURAL SCIENCES



Agricultural Communications & Leadership (with instructor permission)  
Agricultural Business Management (with instructor permission)  
Internship in Agriculture (with instructor permission)

### **INTRO TO AGRICULTURE** (VAG764P)

Grade Level: 9-12

Length of Course: 1 Year

Credit: 1 Unit

Agriscience is the prerequisite course for all other agricultural education courses, as it covers all aspects of agricultural production through agricultural education and FFA. Using exploratory units with many hands-on labs and activities students will see how agriculture impacts their daily lives. Centered around the FFA competition schedule, students will take skills they learn in the classroom and compete in career development events (CDEs) and leadership development events (LDEs) to assess their knowledge and understanding of agronomy, animal science, food science, agricultural communications and leadership, agribusiness management and the FFA organization. FFA membership is not required, but student will compete in FFA events as part of classroom instruction.

### **AGRICULTURAL WELDING I** (VAG788P)

Prerequisite: Intro to Agriculture

Grade Level: 10-12

Length of Course: 1 Semester or 1 Year

Credit: ½ or 1 Unit

Ag. Mechanics will provide the student with the general knowledge and safety information needed to enter a mechanical career or further their mechanical training. Students will be introduced to the principles of mechanical physics and applications, mechanical careers and industries, technologies and personal attitudes. Through the classroom and Lab training students will acquire knowledge and skills in all areas of welding, oxy acetylene equipment, machinery/tool operations metallurgy, electricity, hydraulics, small engines, tractor maintenance and many other mechanical related operations. Emphasis will be on actual “hands-on” type learning. Students will continue development of their leadership and mental skills by designing, construction and testing a useful project. FFA membership is not required, but students will compete in FFA events as part of classroom instruction.

**ANIMAL SCIENCE** (VAG782P)

Prerequisite: Intro to Agriculture

Grade Level: 10-12

Length of Course: 1 Year

Credit: 1 Unit

This course is designed as a college prep program for any biological and/or related area of study. Animal Science is an in-depth look into what makes up the animal, caring for animals, and marketing a final product. We will study the major body systems, such as: skeletal, muscular, circulatory, respiratory, nervous, urinary, endocrine and digestive systems. Other areas of study include nutrition, animal health, diseases and parasites, animal reproduction and marketing. Hands-on laboratory activities include dissection through systems and exploratory labs in reproduction strategies. FFA membership is not required, but students will compete in FFA events as part of classroom instruction.

**ADVANCED ANIMAL SCIENCE** (18103)

Prerequisite: Animal Production/Science

Grade Level: 11-12

Length of Course: 1 Year

Credit: 1 Unit

This class is designed for students who have an interest in careers in the animal industry including animal health and veterinary medicine. Topics will include anatomy and physiology, nutrition, health, feeds and feeding, reproductive physiology and animal behavior. This class is facilitated through Haven High School but taught online in coordination with Allen County Community College. Students will receive concurrent credit for this class. FFA membership is not required, but students will compete in FFA events as part of classroom instruction.

**PLANT & SOIL SCIENCE** (18058)

Prerequisites: Intro to Agricultural

Grade Level: 10-12

Length of Course: 1 Year

Credit: 1 Unit

This course exposes students to the art and science of growing plants, shrubs, trees, flowers, fruits, agriculture crops and vegetables. In doing so, they cover a wide variety of topics, including greenhouse production, turf/golf course management, interior and exterior plantscaping, irrigation systems, weed & pest control, and floral design. FFA membership is not required, but students will compete in FFA events as part of classroom instruction.

**FLORICULTURE & GREENHOUSE MANAGEMENT** (Class not offered 2023-2024)

Prerequisites: Intro to Agricultural and Plant and Soil Science

Grade Level: 11-12

Length of Course: 1 Year

Credit: 1 Unit

Students interested in learning the art of creating sale-able floral designs such as arrangements, corsages, boutonnieres through hands-on learning labs will LOVE this class. In this class, students will learn how to select, grow and process plants specifically for flowering purposes in lawns and landscapes, as well as floral designs. In addition, students will learn about growing systems including hydroponics, aquaponics and greenhouse production in both the classroom and lab environment. FFA membership is not required, but student will compete in FFA events as part of classroom instruction.

**AGRIBUSINESS** (VAG785P) (Not offered 2023-2024)

Prerequisite: Intro to Agriculture

Grade Level: 10-12

Length of Course: 1 Year

Credit: 1 Unit

This course is for upper level students wanting to learn the skills and knowledge to succeed in the workforce of their chosen career. Students will learn all aspects of business structure: sales, advertising, marketing, management activities and economic systems in a business. This class is facilitated through Haven High School but taught online in coordination with Allen County Community College. Students will receive concurrent credit for this class. FFA membership is not required, but students will compete in FFA events as part of classroom instruction.

**AGRICULTURAL WELDING II**(VAG776P)

Prerequisites: Intro to Agriculture, Agricultural Welding I

Grade Level: 11-12

Length of Course: 1 Year

Credit: 1 Unit

This course will emphasize individual working habits and characteristics needed to succeed in the industrialized working force. Students will design and construct a beneficial project for himself or herself or a third party. Projects may also include a repair project. Students enrolling in this course should think of projects they would like to build during the year and must have a project determined by the beginning of the 2<sup>nd</sup> 9 week period. Students are graded on their performance (quality of work, safety, work habits, attitude) during the class much like an employee reporting to a job. FFA membership is not required, but student will compete in FFA events as part of classroom instruction.

**AG. COMMUNICATIONS & LEADERSHIP**(VAG792P) (Not offered 2024-2025)

Prerequisite: Permission of Instructor

Grade Level: 11-12

Length of Course: 1 Year

Credit: 1 Unit

Access to this class is based on instructor permission. Students will learn to identify leadership characteristics and evaluate their leadership status, developing plans to improve their leadership and communication skills. Expanded organizational group activities and structures by committee work using par-law procedures. Other areas of study will include goal setting, public speaking, news writing and personal/civic growth. Students will have the opportunity to develop their own plan of leadership and communicative growth based on different learning styles. FFA membership is not required, but students will compete in FFA events as part of classroom instruction.

**AGRICULTURAL FABRICATION** (VAG777P)

Prerequisite: Agriscience, Agriculture Mechanics, Advanced Agricultural Mechanics

Grade Level: 12

Length of Course: 1 Year

Credit: 1 Unit

This course is designed for the learner to increase the skills and knowledge they have gained in the construction of projects. Students will utilize all mechanical skills and knowledge from previous classes to continue advancement levels through designing, problem solving, and applying mechanical principles. Students will design and construct a large project for themselves or a third party. The environment of this class is modeled after a working business. Students must be knowledgeable and skilled, and must possess a strong work ethic. Students are graded on their performance (quality of work, safety, work habits, attitude) during the class much like an employee reporting to a job. FFA membership is not required, but students will compete in FFA events as part of classroom instruction.

**INTERNSHIP (18048)**

Prerequisite: Permission of Instructor and Internship Coordinator

Grade Level: 12

Length of Course: 1 Year

Credit: 1 Unit

Students enrolled in this course will work to complete a supervised agricultural experience that was enacted during the freshmen or sophomore year. Students will work to compile all of their records to successfully complete the State FFA Degree through either a placed work experience or managing their own entrepreneurial work related experience. Designed for the student who has successfully demonstrated a commitment to a SAE program throughout high school who will go on to compete for state proficiency awards and earn a state FFA degree. FFA membership is not required, but students will compete in FFA events as part of classroom instruction.



## *BUSINESS EDUCATION*

### **FINANCIAL LITERACY** (FAC727PF)

Grade Level: **12 (Required)**

Length of Course: 1 Semester (Spring)

Credit: ½ Unit

Consumer & Personal Finance courses provide students with an understanding of the concepts and principles involved in managing one's personal finances. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection.

### **ENTREPRENEURSHIP** (BUS639P)

Grade Level: 9-12

Length of Course: 1 Semester (Fall)

Credit: ½ Unit

Entrepreneurship acquaints 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.

### **ACCOUNTING I** (BUS633PS)

Grade Level: 9-12

Length of Course: 1 Year; to enter at semester you must gain teacher permission

Credit: 1 Unit

Accounting I introduces and expands upon the fundamental accounting principles and procedures used in business. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Calculators, electronic spreadsheets, or other automated tools are usually used. Advanced topics will include elementary principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process. Qualifies for TECH PREP ARTICULATION AGREEMENT w/Hutchinson Community College, ask counselor for details.

### **ADVANCED ACCOUNTING** (108F)

Prerequisite: Accounting I & Teacher Permission

Grade Level: 10-12

Length of Course: 1 Year

Credit: 1 Unit

Advanced Accounting expands upon the fundamental accounting principles and procedures used in business. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, and other automated tools are usually used. Topics will include elementary principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process and further enhancement of accounting skills.

**BUSINESS LAW** (12054) (Not offered 2023–2024)

Grade Level: 10-12

Length of Course: 1 Semester (Fall)

Credit: ½ Unit

Business Law identifies and promotes the skills needed in law and law associated professions. Topics include the origins, ethics, structures, and institutions of law. It concentrates on several types of law including criminal, civil, consumer, contract, property, agency, employment, family and environmental law. The intent of the class is to allow areas of concentration once all the competencies are met.

**BUSINESS MANAGEMENT** (BUP12052)

Grade Level: 10-12

Length of Course: 1 Semester (Spring)

Credit: ½ Unit

The Business Management course provides students with an understanding of the business management functions, various management theories and the basic organization of a business. Students learn that Business Management is the process of using the resources of a business to efficiently and effectively achieve its goals through planning, organizing, staffing, leading and controlling. The study of business management is an essential component in the design and delivery of a comprehensive business education curriculum.

**BUSINESS ECONOMICS** (BUS12105)

Grade Level: 10-12

Length of Course: 1 Semester

Credit: ½ Unit

In Business Economics, a project-based business course, students expand their understanding that businesses are influenced by external factors that are often beyond their control. Consumer spending, government policies, economic conditions, legal issues, and global competition are addressed through practical, current applications to everyday societal and business life. Students develop their knowledge and skills in such areas as economics, entrepreneurship, operations, and professional development. Throughout the course, students will be presented with current economic problems for which they are asked to determine solutions, often through the application of decision matrices.

**BUSINESS COMMUNICATIONS**

Grade Level: 9-12

Length of Course: 1 Semester

Credit: ½ Unit

Business Communications courses help students to 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, communicating nonverbally, and utilizing technology for communication. Business communication functions, processes, and applications in the context of business may be practiced through problem-based projects and real world application.

**INVESTING** (12107)

Grade Level: 10-12

Prerequisite: Accounting, Business Economics, Business Communications, Business Law or Entrepreneurship (must take one of these classes prior to taking investing)

Length of Course: 1 Semester

Credit: ½ Unit

Investing courses emphasize the formulation of business and individual investment decisions by comparing and contrasting the investment qualities of cash, stock, bonds, and mutual funds. Students typically review annual reports, predict growth rates, and analyze trends. Stock market simulations are often incorporated into Investing courses.

**APPLIED BUSINESS DEVELOPMENT (32200)**

Prerequisite: Two of these classes: business communications, business management, entrepreneurship, business law or business economics OR accounting for a year.

Grade Level 10-12

Length of Course: 1 Year

Credit: 1 Unit

Students enrolled in Applied Business Development will participate in a class-run business. Students will handle all aspects of the business including marketing, sales, and financial recordkeeping. Students will also practice customer service skills while working with customers in the school and the community.

**BUSINESS MANAGEMENT AND ENTREPRENEURSHIP WORKPLACE EXPERIENCE (12098)**

Prerequisite: Permission of Instructor and Internship Coordinator

Grade Level: 12

Length of Course: 1 Year

Credit: 1/2 Unit OR 1 Unit

Business Management Workplace Experience courses provide students with work experience in fields related to business management. 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. Students are able to take Business Management Workplace Experience as a .5 credit course or yearlong 1 credit course for a more in-depth study of the business management industry

**FINANCE WORKPLACE EXPERIENCE (12148)**

Prerequisite: Permission of Instructor and Internship Coordinator

Grade Level: 12

Length of Course: 1 Year

Credit: 1/2 Unit OR 1 Unit

Finance—Workplace Experience courses provide students with work experience in fields related to finance. 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.

**THE DEN**

Grade Level: 10-12

Length of Course: 1 Semester

Credit: ½ Unit

Prerequisite: You must fill out an online application that has to be approved by the teacher and administration.

Are you ready to learn what a business is like? Come spend a semester working at The Den. You will learn more about running a business for a year than you will from a textbook. You will help with advertising, ordering, promotions, conflicts, working with others, making drinks, dealing with failures, rude customers and a lot of customer service. No two days are exactly alike, one day you can be trying to figure out how to make 20 drinks for a middle school class or to come up with a new promotion to increase sales. This class isn't easy, but if you like a challenge and want to make a difference here at Haven High School, then this would be a great opportunity for you to do that.

## COMPUTER EDUCATION

### **COMPUTER APPLICATIONS** (004)

Grade Level: 9-12 **Required Class of 2026**

Length of Course: 1 Semester

Credit: ½ Unit

This course presents several application programs, enabling the computer to become a tool for the students. Programs will include but not be limited to the following: word processing, spreadsheet, database, integration, and desktop publishing, computer applications for business or personal use, and graphics. This course will prepare students to use the computer for their own benefit and give them needed job skills. This class will be hands-on learning in the computer lab.

### **COMPUTER PROGRAMMING** (152)

Prerequisite: Computer Applications (Concurrent enrollment first semester is acceptable.)

Grade Level: 9-12

Length of Course: 1 year; to enter at semester you must gain teacher permission

Credit: 1 Unit

Computer Programming courses provide students with the knowledge and skills necessary to construct computer programs in one or more languages. Computer coding and program structure are often introduced with the BASIC language, but other computer languages, such as Visual Basic (VB), Java, Pascal, C++, and COBOL, may be used instead. Initially, students learn to structure, create, document, and debug computer programs, and as they progress, more emphasis is placed on design, style, clarity, and efficiency. Students may apply the skills they learn to relevant applications such as modeling, data management, graphics, and text-processing.

### **GAME DESIGN** (165)

Prerequisite: Computer Programming

Grade Level: 11-12

Length of Course: 1 year; to enter at semester you must gain teacher permission

Credit: 1 Unit

Game Design is a course where students are given the opportunity to learn how to create, design, and deploy web-based games. Highly interactive lessons guide your students step by step through the basics of designing games, game levels, game mechanics, creating sound effects, generating game music, producing graphical assets, and even pitching their game ideas to the world.

### **WEB PAGE DESIGN I** (BUS651)

Prerequisite: Computer Programming

Grade Level: 11-12

Length of Course: 1 Year; to enter at semester you must gain teacher permission

Credit: 1 Unit

Web Page Design I is a course that teaches the essential skills and creative applications using HTML, CSS, and JavaScript. The goal of the class is to create functional, well-designed Web pages.

### **WEB PAGE DESIGN II** (BUS652)

Prerequisite: Web Page Design I and Teacher Permission

Grade Level: 11-12

Length of Course: 1 Year

Credit: 1 Unit

Web Page Design II is a continuation of the activities done in Web Page Design I.

**GAME DESIGN AND AUTHORIZING FOR THE WEB (10165)**

Prerequisite: Permission of Instructor and Internship Coordinator

Grade Level: 12

Length of Course: 1 Year

Credit: 1 Unit

Game technologies represent the culmination of logic, sequence, tool utilization, and extension of skill. Programming process for this course will utilize all previously learned factors of programming logic, artistry, and interactivity.

**WEB & DIGITAL COMMUNICATIONS PROJECT MANAGEMENT (31096)**

Prerequisite: Permission of Instructor and Internship Coordinator

Grade Level: 12

Length of Course: 1 Year

Credit: 1 Unit

The Web and Digital Communications Project Management course provides students with the information and skills necessary for success in managing projects and operating logistical ventures in technology, business, and industry. This course covers scheduling of resources (including personnel, budget, timelines, and equipment), utilization of Gantt charts, economic principles within the workplace, and risk management. Other possible topics include developing a business plan, finance, business law, marketing and promotion strategies, insurance employee/employer relations, problem-solving and decision-making, and building leadership skills. These courses may also incorporate a survey of the careers within technology and engineering industries

## FAMILY & CONSUMER SCIENCE

### **BAKING AND PASTRY I** (16056)

Grade Level: 10-12

Prerequisite: Culinary Essentials

Length of Course: 1 Semester

Credit: ½ Unit

This course looks at the baking and pastry industry, and the equipment and procedures required. Topics include baking science, ingredient function and methods used for a quality product based upon industry standards

### **CULINARY ESSENTIALS**

Grade Level: 9-12

Length of Course: 1 Semester (Fall)

Credit: ½ Unit

This class will introduce students to basic culinary skills, food safety, sanitation and nutrition concepts. Students will learn through lab activities and classroom instruction.

### **EVENT PLANNING AND MANAGEMENT** (16052)

Grade Level: 9-12

Prerequisite: None

Length of Course: 1 Semester

Credit: ½ Unit

This course provides students with the knowledge and skills related to the event planning and implementation process. It will include establishing client relationships, the importance of communication, planning process, resource management, quality service and staffing issues.

### **HUMAN GROWTH AND DEVELOPMENT** (FAC718PF)

Grade Level: 9-12

Length of Course: 1 Semester (Fall)

Credit: ½ Unit

Human Growth and Development provides students with knowledge about the physical, mental, emotional, and social growth and development of humans from conception to old age, with a special emphasis on birth through school age. Course content will provide an overview of life stages, with a strong tie to prenatal and birth processes; fundamentals of children's emotional and physical development; and the appropriate care of children. Students will participate in the Real Care Child Simulation or an alternate research project.

### **LIFESPAN DEVELOPMENT** (45014)

Grade Level: 9-12

Length of Course: 1 Semester (Spring)

Credit: ½ unit

Life Span Development prepares students for occupations associated with meeting the needs of people by learning about physical, intellectual, emotional and social development from childhood to death. In addition, this course helps students discover how individuals respond to the various stages of the life span with a strong tie to teen years, adulthood and later years.

### **NUTRITION AND WELLNESS** (FAC719PF) (Not offered 2024-2025)

Grade Level: 9-12

Length of Course: 1 Semester (Spring)

Credit: ½ Unit

Nutrition and Wellness will include topics related to personal health education affecting individuals for future career choices. Topics may include nutrition, stress management, drug/alcohol abuse prevention, and disease prevention. Course objectives include helping learners develop decision making, communication, interpersonal, and coping skills and strategies.

**FAMILY STUDIES (FAC728PS)**

Grade Level: 9-12

Length of Course: 1 Semester (Spring)

Credit: ½ Unit

Family Studies emphasize building and maintaining healthy interpersonal relationships among family members and other members of society. These courses often emphasize (but are not limited to) topics such as social/dating practices, human sexuality and reproduction, marriage preparation, parenthood and the function of the family unit, and the various stages of life. They may also cover topics related to individual self-development, career development, personal awareness, and preparation for the responsibilities of a family member and wage earner.

**FOUNDATIONS TO EARLY CHILDHOOD DEVELOPMENT (FAC722P)**

Prerequisite: Human Growth and Development

Grade Level: 10-12

Length of Course: 1 Year

Credit: 1 Unit

The Foundations to Early Childhood Education class provides students with knowledge about the physical, mental, emotional and social growth and development of children from conception to preschool age, emphasizing the application of this knowledge in child care settings. This course should be taken if you are interested in teaching pre-K through 1st grade.

**TEACHING AS A CAREER (19151)**

Prerequisite: Human Growth and Development

Grade Level: 10-12

Length of Course: 1 Year

Credit: 1 Unit

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. This course should be taken if you are interested in teaching 2nd grade and up.

**CULINARY WORKPLACE EXPERIENCE (16098)**

Prerequisite: Culinary Essentials, Event Planning & Management, or Baking and Pastry I

Grade Level: 11-12

Length of Course: Semester or 1 Year

Credit: ½ Unit or 1 Unit

This course applies the skills needed in the culinary arts profession. It includes the application of skills within a school-based, community-based experience or work-based internship and will cover an introduction of all aspects of an industry. Students enrolled in this course are expected to have mastered skills in the culinary field so that they are able to apply them in authentic experiences following industry standards and regulations. Local prerequisites apply.

**COMMUNITY CONNECTIONS (19297)**

Prerequisite: Technical level courses as directed by specific pathway. See instructor.

Grade Level: 11-12

Length of Course: 1 Semester

Credit: ½ Unit

Community Connections course provides community based/school based learning experiences mainly within the family and consumer sciences classroom. Learning goals are set by the student, teacher and community partners to create experiences, and/or discussions to enhance the development of the 21<sup>st</sup> century skills (i.e. leadership, empathy, communication, problem solving, cooperation, critical thinking, and resource management) needed to be successful in human services/family and consumer sciences related careers.

**CAREER CONNECTIONS** (19298)

Prerequisite: Technical level courses as directed by specific pathway. See instructor.

Grade Level: 11-12

Length of Course: 1 Semester

Credit: ½ Unit

Career Connections courses provide human services/family and consumer sciences related work-based learning experiences (paid or unpaid) outside the traditional classroom. Learning goals are set by the student, teacher and employer/adult mentor to created field experiences and/or discussions related to human services/family and consumer sciences occupational technical skills.

**EARLY CHILDHOOD APPLICATION** (State Course Code 19098)

Prerequisite: Foundations to Early Childhood Development

Grade Level: 11-12

Length of Course: 1 Year

Credit: 1 Unit

The Functions in Early Childhood Development course provides students with work experience in the field of early childhood education (Pre-K - 1st grade)

**TEACHING INTERNSHIP** (19152)

Prerequisite: Teaching as a Career

Grade Level: 11-12

Length of Course: 1 Year

Credit: 1 Unit

The teaching internship course provides students with work experience in the field of teaching 2nd grade - middle school.



# FINE ARTS

## ART

### **GRAPHIC DESIGN FUNDAMENTALS** (ART820P)

Grade Level: 9-12

Length of Course: 1 Semester

Credit: ½ Unit

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 product.

### **GRAPHIC DESIGN**

Prerequisite: Complete Graphic Design Fundamentals with an A and Teacher Approval

Grade Level: 10-12

Length of Course: 1 Semester

Credit: ½ Unit

Graphic Design builds on the skills learned in Graphic Design Fundamentals. Topics include real world application while working directly with local customers on rebranding, logos, storyboarding, character design, merchandise, and more.

### **PRINCIPLES OF ILLUSTRATION:** (ART 838P)

Grade Level: 9-12

Length of Course: 1 Semester

Credit: ½ Unit

Principles of Illustration explores a variety of media, tools and supports as a means to communicate ideas. Topics include an understanding of illustration as applicable to careers in graphic design, animation, apparel/textile design, industrial design, web design, architecture, interior design and fine arts. Techniques in traditional and digital illustrations applications will be explored as directly linked to ever-changing social trends.

### **PHOTO IMAGING:** (ART 833P)

Grade Level: 9-12

Length of Course: 1 Semester

Credit: ½ Unit

Photo Imaging teaches the technical skills needed to produce quality images in a variety of applications. Topics include the use of equipment, software and techniques to take, edit and manipulate digital images.

### **INTERMEDIATE ART**

Prerequisite: student must have taken at least 1 year of art

Grade Level: 10 – 12

Length of Course: 1 Semester or 1 Year

**ADVANCED ART** (ART831)

Prerequisite: Teacher Approval

Grade Level: 10 – 12

Length of Course: 1 Semester or 1 Year

Credit: ½ or 1 Unit

The emphasis for this course will be placed on the principles and elements of design as they relate to 2-D and 3-D art on an advanced level. Students will explore advanced levels of drawing, painting, ceramics, sculpture, and fibers.

**MEDIA TECHNOLOGY - WORKPLACE EXPERIENCE**

Prerequisite: Technical level courses as directed by specific pathway. Internship Coordinator Approval.

Grade Level: 12

Length of Course: ½ or 1 Unit

Workplace Experience courses provide media technology related work-based learning experiences (paid or unpaid) outside the traditional classroom. Learning goals are set by the student, teacher and employer/adult mentor to create field experiences and/or discussions related to media technology occupational technical skills.

## *DEBATE/FORENSICS*

### **INTRODUCTION TO DEBATE** (OLA183F)

Grade Level: 9-12

Length of Course: 1 Semester (Fall Only)

Credit: ½ Unit

This class is designed to take students with no debate experience and teach them the fundamentals of debate theory and presentation. The debate team is recognized as a “co-curricular” class. This means that the final grade is based on in-class work and participation at weeknight and weekend debate tournaments. Debate theory, research skills, organization, speaking, persuasive skills, and writing are all taught within the classroom. These skills are then utilized at tournaments throughout the fall and are a great aid for college-bound students. All students are also required to attend and work at any home tournaments hosted during the semester. This class counts as a speech and a fine arts credit.

### **INTRODUCTION TO FORENSICS** (OLA182S)

Grade Level: 9-12

Length of Course: 1 Semester (Spring Only)

Credit: ½ unit

Introduction to Forensics will teach students the many different events offered at high school forensics tournaments. Students will learn how to properly research, organize, write, and deliver a speech as well as learn fundamentals in acting and interpretation of literature. The forensics team is recognized as a “co-curricular” class. This means that the final grade is based on in-class work and participation at weeknight and weekend forensics tournaments. Acting, speaking, interpretation, research, organization, and performing skills are all taught and rehearsed during class with the emphasis on using these skills for tournament competition. All students are also required to attend and work at any home tournaments hosted during the semester. This class counts as a speech and fine arts credit.

### **ADVANCED DEBATE** (OLA186F)

Prerequisite: Intro. To Debate and permission of instructor.

Grade Level: 10-12

Length of Course: 1 Semester (Fall Only)

Credit: ½ Unit

The primary aim of this course is to expand on the fundamentals of debate. The debate team is recognized as a “co-curricular” class. This means that the final grade is based on in-class work and participation at weeknight and weekend debate tournaments. Further emphasis on debate theory, research skills, organization, speaking, persuasive skills, and writing are all taught within the classroom. Students will spend time studying debate theory and analysis in depth. These skills are then utilized at tournaments throughout the fall and are a great aid for college-bound students. All students are also required to attend and work at any home tournaments hosted during the semester.

### **ADVANCED FORENSICS** (OLA187S)

Prerequisite: Intro. To Forensics and permission of instructor.

Grade Level: 10-12

Length of Course: 1 Semester (Spring Only)

Credit: ½ Unit

Advanced Forensics will expand upon the fundamentals learned in Introduction to Forensics. Students will spend time honing their public speaking and acting skills. The forensics team is recognized as a “co-curricular” class. This means that the final grade is based on in-class work and participation at weeknight and weekend forensics tournaments. Acting, speaking, interpretation, research, organization, and performing skills are all taught and rehearsed during class with the emphasis on using these skills for tournament competition. All students are also required to attend and work at any home tournaments hosted during the semester.

**DEBATE INDEPENDENT STUDY (OLA188F)**

Prerequisite: Advanced Debate and permission of instructor.

Grade Level: 11-12

Length of Course: 1 Semester (Fall Only)

Credit: ½ Unit

The primary aim of this course is to expand on the fundamentals of debate. The debate team is recognized as a “co-curricular” class. This means that the final grade is based on in-class work and participation at weeknight and weekend debate tournaments. Further emphasis on debate theory, research skills, organization, speaking, persuasive skills, and writing are all taught within the classroom. Students will spend time studying debate theory and analysis in depth. These skills are then utilized at tournaments throughout the fall and are a great aid for college-bound students. All students are also required to attend and work at any home tournaments hosted during the semester and may be asked to conduct certain housekeeping associated with keeping the debate team running efficiently.

**FORENSICS INDEPENDENT STUDY (OLA181S)**

Prerequisite: Advanced Forensics and permission of instructor.

Grade Level: 11-12

Length of Course: 1 Semester (Spring Only)

Credit: ½ Unit

This class will expand upon the fundamentals learned in previous classes. Students will spend time honing their public speaking and acting skills. The forensics team is recognized as a “co-curricular” class. This means that the final grade is based on in-class work and participation at weeknight and weekend forensics tournaments. Acting, speaking, interpretation, research, organization, and performing skills are all taught and rehearsed during class with the emphasis on using these skills for tournament competition. All students are also required to attend and work at any home tournaments hosted during the semester and may be asked to conduct certain housekeeping associated with keeping the forensics team running efficiently.

## INSTRUMENTAL MUSIC

### **MARCHING/CONCERT BAND** (IMU844)

Grade Level: 9-12

Length of Course: 1 Year

Credit: 1 Unit

The band program consists of several components including the marching band, concert band and pep band. Students will perform a wide range of literature in a wide range of settings. Outside performances are required to participate in the class including; marching festivals, concerts, contests, and sporting events. Membership in the band is required for both semesters.

### **GUITAR**

Grade Level: 9-12

Length of the Course: 1 Semester

Credit: 1/2 Unit

This class is designed to equip students with the basics of guitar playing. Students will learn how to read both sheet music and tablature. Performances may be required. This class is designed with the beginner in mind, not those who can already play.

### **JAZZ BAND** (05106)

Prerequisite: Band

Grade Level: 9-12

Length of the Course: 1 Year

Credit: 1 Unit

Jazz Band is a year long course. Students will learn music theory, different styles of music; swing, rock, funk, latin, samba, etc. Jazz Band students will be a part of all High School Band activities, including marching band, pep band, and the concert band.

### **PIANO**

Grade Level: 9-12

Length of Course: Fall and Spring

Credit: 1/2

This is a class designed to provide students with an introduction to playing piano. Through both individual and group instruction combined with independent practice students will learn how to use correct playing technique, music literacy skills, and basic music theory. Please note that this class is designed for new piano students, not those who can already play.

## VOCAL MUSIC

### **CHORALE** (VOM812)

Grade Level: 9-12

Length of Course: 1 Year

Credit: 1 Unit

Chorale is a non-auditioned large ensemble, with zero experience or music skills required, designed to perform music appropriate for the high school voice. Music selected will be varied and represent literature from the late Renaissance to 20th Century, as well as popular music of today. Members of this group are expected to attend all performances - including league, state, and any other music festivals or concert activities.

### **WILDCAT SINGERS** (VOM813) (By audition only. Choose Chorale at enrollment.)

Prerequisite: Audition

Grade Level: 9-12

Length of Course: 1 Year

Credit: 1 Unit

Wildcat Singers is an elite chamber ensemble selected from the students of Haven High School. This group auditions in the spring for the upcoming school year. Members meet daily for rehearsal as well as outside of school for extracurricular study and performance. This ensemble will be pulled out of school on occasion and members are expected to keep up in all other courses. Each member is required to participate in League, Regional, and State Festivals during the Spring Semester. Each year, outfits are selected and purchased by the members of this ensemble.

### **MUSIC THEORY** (VOM815)

Grade Level: 10-12

Length of Course: 1 semester (Fall or Spring), or 1 year

Credit: ½ or 1 Unit

Music Theory is designed as a college preparatory course for those students interested in increasing their understanding in music. Students will study the elements of melody, harmony, form, and arranging, as well as several aspects of formal analysis. Students will also learn basic compositional techniques and develop a better understanding of the history of music.

## FOREIGN LANGUAGE

### **SPANISH I** (FOR161)

Grade Level: 9-12

Length of Course: 1 Year

Credit: 1 Unit

Spanish I is designed for beginning language learners. It helps prepare students to live and work in a diverse society. Learning a language promotes understanding and improves human relations in our world. Students enrolled in Spanish I will become proficient in the basic skills such as listening, speaking, reading and writing. The course will also develop an understanding of the culture, history, and geography associated with the Spanish language. Above all, students will learn to appreciate a different language and culture through the classroom activities provided.

### **SPANISH II** (FOR162)

Prerequisite: Spanish I

Grade Level: 10-12

Length of Course: 1 Year

Credit: 1 Unit

Spanish II provides students with opportunities to continue the improvement of their listening, speaking, reading, and writing skills. Students participate in simple conversational situations by blending learned elements of the language orally and in writing. The student will be able to engage and hold a basic conversation in Spanish using the adequate vocabulary.

### **SPANISH III/IV - BUSINESS**

Prerequisite: Spanish II

Grade Level: 11-12

Length of Course: 1 Year

Credit: 1 Unit

As the U.S. becomes more culturally diverse, the ability to speak multiple languages has become increasingly important in the business industry.

There is a growing desire for employees who can speak more than one language. When a company hires an employee who can speak more than one language, it gives the business an opportunity to expand. The business can now communicate with other businesses from foreign countries and can also communicate with potential clients and customers. The company now has the opportunity to generate more business, as well as potentially expand their locations to foreign countries.

Language skills are a strong addition to any resume, especially in business. Being bilingual will make you a stronger candidate for business jobs and help you get better placement than you otherwise would. If you want to work in a region, area, or specialty that needs your skills, you probably can. You might also be able to negotiate higher pay because of your language skills.

In Spanish III – Business, students will review and use Spanish 1 and 2 vocabulary, and will be introduced to business terminology. The teacher will speak almost exclusively in Spanish. The students are expected to speak mostly in Spanish and daily classroom activities will give the students practice with the four communication skills: listening, speaking, reading, and writing. Students will have life-like business setting practices.

### **SPANISH III/IV - HEALTH SCIENCE**

Prerequisite: Spanish II

Grade Level: 11-12

Length of Course: 1 Year

Credit: 1 Unit

As the U.S. becomes more culturally diverse, the ability to speak multiple languages has become increasingly important in the healthcare industry.

Language skills are a strong addition to any resume, especially in healthcare. Being bilingual will make you a stronger candidate for health care jobs and help you get better placement than you otherwise would. If you want to work in a region, area, or specialty that needs your skills, you probably can. You might also be able to negotiate higher pay because of your language skills.

Being bilingual isn't just about communicating literal information to patients. It's also about making them feel at ease and cared for, and bilingual healthcare workers can also provide hospitals with additional cultural context when providing care for patients from diverse backgrounds.

In Spanish III – Health Science, the students will review and use Spanish 1 and 2 vocabulary, and will be introduced to medical terminology. The teacher will speak almost exclusively in Spanish. The students are expected to speak mostly in Spanish and daily classroom activities will give the students practice with the four communication skills: listening, speaking, reading, and writing. Students will have life-like health care setting practices.



## INDUSTRIAL TECHNOLOGY

### **WOODWORKING PRINCIPLES** (17007)

Grade Level: 9-12

Length of Course: 1 Year

Credit: 1 Unit

A comprehensive course designed to instruct students in the basic knowledge required for cabinetmaking and furniture design. Students will learn basic concepts and traditional methods in a wood shop setting.

### **DRAFTING** (21102)

Grade Level: 9-12

Length of Course: Semester

Credit: 1/2 Unit

Students will learn to utilize industry design and drafting software. Students will become AutoCAD efficient and will be able to develop in-depth woodworking and manufacturing plans and working drawings. Students will also be exposed to AutoCAD 3D modeling and will develop a product of their very own utilizing the Epilog Laser and/or 3D printer.

### **ARCHITECTURE DESIGN**

Prerequisite: Drafting

Grade Level: 10-12

Length of Course: 1 Year

Credit: 1 Unit

Introduces concepts, theories, and practices of the discipline of architecture. Includes study of perceptual, environmental, technical and organizational concepts through lectures and individual projects in observing architectural spaces and forms.

### **CARPENTRY I** (17002)

Grade Level: 9-12

Length of Course: 1 Year

Credit: 1 Unit

Exposes students to technical knowledge and skills within the construction trade. Students enrolled in this class will also be enrolled in BT 121 Construction Safety (1 hr. course) and BT 120 Introductory Craft Skills (3 hr. course) through HCC and will receive dual credit. There is no additional cost to the student. Upon successful completion the student will receive their OSHA 10-hour Occupational Safety and Health Training Card.

### **CARPENTRY II** (38002)

Prerequisite: Carpentry I

Grade Level: 10-12

Length of Course: 1 Year

Credit: 1 Unit

An advanced comprehensive course designed to instruct students in skills pertaining to rough construction and finish work. Students who have completed Carpentry I can be enrolled in this course. Students will build upon the technical skills learned in the prerequisite by applying those skills in structural construction applications. Students enrolled in this course will also be enrolled in BT 131 Carpentry Basics and receive dual credit through HCC.

**WORKPLACE EXPERIENCE IN ARCHITECTURE AND CONSTRUCTION (38100)**

Prerequisite: Carpentry I, Internship Coordinator Approval.

Grade Level: 12

Length of Course: 1 Year

Credit: 1 Unit

Course Description:

Internship/Apprenticeship Opportunities

Workplace Experience courses provide architecture and construction related work-based learning experiences (paid or unpaid) outside the traditional classroom. Learning goals are set by the student, teacher and employer/adult mentor to create field experiences and/or discussions related to architecture and construction.

## *JOURNALISM/DIGITAL MEDIA*

### **21<sup>ST</sup> CENTURY JOURNALISM** (OLA190P)

Grade Level: 10-12

Length of Course: 1 Year

Credit: 1 Unit

This course will explore the field of journalism by providing students with an understanding of the skills necessary for the industry both today and in the future. Students will study the development of journalism throughout time and the role media and communication play in our society. Students will also be instructed in journalistic writing style, interviewing, and the ethical and legal issues related to the field.

### **AUDIO/VIDEO PRODUCTION FUNDAMENTALS** (30103)

Grade Level: 9-12

Length of Course: 1 Year

Credit: 1 Unit

This course is designed as an introduction to major concepts in audio and video production. Students will develop an understanding of the history, theory and practice of audio-video communication. This will be facilitated through hands-on projects, labs and skills tests.

### **DIGITAL MEDIA DESIGN AND PRODUCTION** (30151)

Prerequisite: Audio/Video Production

Grade Level: 10-12

Length of Course: 1 Year

Credit: 1 Unit

Students in this class will apply skills learned in earlier courses to produce a multimedia project for public presentation in the form of helping to plan, manage, and edit videos for the Wildcat Network. Students will develop a production schedule, work with one another to develop assignments, and activate prior knowledge of writing and design. They will spend time integrating this knowledge into a digital format to be submitted for publication.

### **DIGITAL MEDIA PROJECT MANAGEMENT** (31091)

Prerequisite: Permission of Instructor and Internship Coordinator

Grade Level: 12

Length of Course: 1 Year

Credit: 1 Unit

Internship level course for the Digital Media pathway. Students will gain experience in the workplace.

### **SPORTS AND ENTERTAINMENT MARKETING** (12163) (Not offered 2024-2025)

Prerequisite: Business Essentials or Computer Applications

Grade Level: 10-12

Length of Course: 1 semester

Credit: ½ Unit

Sports and Entertainment Marketing courses introduce students to and help them refine marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, and the sales or rental of supplies and equipment.

## PHYSICAL EDUCATION

### **INTRO TO HEALTH CARE** (14000)

Grade Level: 9-10

Length of Course: 1 Semester

Credit: ½ Unit

Introduction to Healthcare Science is the foundational course for all Health Science pathways and is a prerequisite for all other Healthcare Science pathway courses. This course will enable students to receive initial exposure to the many Healthcare Science careers as well as employability, communication, and technology skills necessary in the healthcare industry.

### **HEALTH CONCEPTS** (HEA522)

Grade Level: **9 (Required)**

Length of Course: 1 Semester

Credit: ½ Unit

The class will focus on basic health concepts centered on the Health triangle: Physical, mental/emotional, and social aspects. Emphasis areas will include stress management, goal setting, utilizing refusal skills, nutrition, lifelong activity, substance abuse, and include with Human Growth and Development and STD education. Class evaluation will consist of written tests, quizzes, and assignments as well as projects.

### **INTRO. TO PHYSICAL EDUCATION** (PHE513)

Grade Level: **9 (Required)**

Length of Course: 1 Semester

Credit: ½ Unit

This course will offer physical activity through such sports as softball, soccer, football, volleyball, basketball and tennis for freshmen. Basic knowledge of nutrition and physical fitness will be stressed. Students will be tested through written and skills tests with an emphasis on daily participation of activities.

### **STRENGTH & CONDITIONING** (PHE526)

Grade Level: 9-12

Length of Course: 1 Semester or 1 Year

Credit: ½ or 1 Unit

Strength and Conditioning is designed to improve the individual's muscular strength, explosiveness, speed, agility and flexibility. This will be accomplished by weight training, plyometrics, agility drills, speed enhancement drills and a flexibility routine. The emphasis will be on correct technique to insure the student will make gains in the safest fashion. This is not a P.E. class where students will regularly play games. We will utilize the weight room and the gym to help students achieve their goals. Novice to advanced lifters are welcome in Strength and Conditioning.

### **LIFETIME RECREATION** (PHE523)

Prerequisite: Introduction to Physical Education

Grade Level: 10-12

Length of Course: 1 Semester or 1 Year

Credit: ½ or 1 Unit

This class is for students who would like to experience activities they can continue throughout their lifetime.

**SPORTS MEDICINE I** (PHE521P) (Does NOT count as a PE credit)

Grade Level: 10-12

Length of Course: 1 Year

Credit: 1 Unit

In this class you will learn your basic athletic training skills. This would include learning the muscles and bones of the human body. This class will also take a look at different injuries that could occur in an athletic event. Students will also have to shadow an Athletic Trainer at a sporting event.

***Note:** If you do not pass the first semester with a C or better, you will not be able to continue to the second semester.*

**SPORTS MEDICINE II** (PHE522P) (Does NOT count as a PE credit)

Prerequisite: Sports Med I with a C or better

Grade Level: 11-12

Length of Course: 1 Year

Credit: 1 Unit

Sports Med. II is a continuation of skills training with more in depth study of components of Athletic Training.

**SPORTS OFFICIATING**

Grade Level: 9-12

Length of Course: Semester

Credit: 1/2 Unit

Prerequisites: None

The RefREps OES, is an engaging, informative and inclusive sports officiating education curriculum. It incorporates innovative point of view technology to put the learner in position to make the call on the court, field, mat, pitch, or track. It has been designed to provide the depth and breadth of content that helps students develop leadership, time management and conflict resolution skills and become immediately employable. Completing this courses will result in receiving a license to officiate football, basketball, Lacrosse, Ice Hockey, Baseball, Softball, Volleyball, Flag Football, Soccer, Wrestling, Swim & Dive and Track and Field.

**HEALTH CARE WORK EXPERIENCE** (36992) (Does NOT count as a PE credit)

Prerequisite: Technical level courses as directed by specific pathway. Internship Coordinator Approval.

Grade Level: 12

Length of course: 1 semester or 1 year

Credit: ½ or 1 unit

Health Career Workplace Experience provides students with Professional Learning Experiences (PLE) to gain extensive knowledge of health/wellness professionals in private/public industry, community organizations, and health care settings, as well as job opportunities, wage, and duties. Students will gain extensive knowledge in selected areas of health care, specific occupations, skills sets, educational requirements, credentials/licensure, and daily routines by participating in Job Shadows or Internships. This class includes instruction in specific skill sets related to health occupations, research on emerging trends, exploration of daily routines, understanding code of ethics, patient rights, standards and regulations, safety, and legal requirements. Collaboration with local healthcare professionals, organizations and businesses is highly encouraged to offer PLE with documentation of the student experience.

## *MATH/ENGINEERING Electives*

### **PRINCIPLES OF APPLIED ENGINEERING (41320)**

Grade Level: 10-12

Prereq: Algebra I

Length of Course: 1 year

Credit: 1 Unit

Building from courses like Algebra I and Physical Science, students will learn applications for STEM via hands-on activities. The class will be broken into units (Teacher created) but highly student driven to follow their passions in STEM. The class will have build activities, scientific testing/investigations, and coding in Python3. Students will also be afforded the opportunity to compete in Science Olympiad during their spring semester.

### **PARTICULAR TOPICS IN ENGINEERING (21015)**

Grade Level: 11-12

Prereq: Chemistry, Principles of Applied Engineering

Length of Course: 1 year

Credit: 1 Unit

Particular Topics in Engineering Coursework should represent specific objectives and topics not covered in other pathway courses, or build upon essential skills learned in previous pathway courses through research and/or projects

### **ROBOTICS (21009)**

Grade Level: 11-12

Prereq: Algebra I

Length of Course: 1 year

Credit: 1 Unit

Robotics courses develop and expand students' skills and knowledge so that they can design and develop robotic devices. Topics covered in the course may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers

### **WORKPLACE EXPERIENCE IN ARCHITECTURE AND CONSTRUCTION (38100)**

Prerequisite: Principles of Applied Engineering, Internship Coordinator Approval.

Grade Level: 12

Length of Course: 1 Year

Credit: 1 Unit

Course Description:

Internship/Apprenticeship Opportunities

## *SOCIAL STUDIES Electives*

### **PRACTICAL LAW**

Grade Level: 10-12

Length of Course: 1 Semester

Credit: 1 Unit

Practical Law is a semester course designed to develop in students the knowledge and skills necessary to live in our law-saturated society. This course is designed to provide students with different methods of problem solving as a tool of survival in our society.

### **PSYCHOLOGY** (SOC334) (Will Not be offered 2024-2025 as a high school class, college level only)

Grade Level: 11 or 12

Length of Course: 1 Semester (Fall)

Credit: ½ Unit

Psychology is designed to acquaint students with the general aspects of human behavior and animal behavior as it relates to humans. Areas of emphasis will be the following: the scientific approach to learning, testing, intelligence and experiments will be used. An individual experiment of the student's own design will be required. Each student will also have to complete a research paper to complete the course.

### **SOCIOLOGY** (SOC355)

Grade Level: 11-12

Length of Course: 1 Semester (Spring)

Credit: ½ Unit

Sociology is designed to help students think clearly and critically about sociological issues, concepts, and methods. All aspects of society will be emphasized. Students will be exposed to social issues of today's society. Individual and group research will be required.

### **CURRENT AFFAIRS** (SOC321)

Grade Level: 10-12

Length of Course: 1 Semester (Spring)

Credit: ½ Unit

The class will use the Hutchinson News as its primary source of information. Each student will be provided a paper for reading during the time allotted at the beginning of each class period. Discussion over articles of interest and importance will be encouraged. Participation in discussion will be expected. Quizzes, graphic organizers, and a weekly test will generate most of the assignments given.

## *INTERNSHIP OVERVIEW*

An internship is an opportunity for a student to spend time with one or more employees at a business, non-profit organization, or government agency. The objective is to provide an opportunity to observe and gain hands-on experience in how business and industry work. **Internships are completed during your senior year, with a few options for junior year internships.**

By being at the work site, students will get a firsthand perspective of the skills and tasks required on the job. The goal of the Internship program is to increase the student's knowledge of workplace skills and receive on-the-job experience. The internship experience is selected based on the student's chosen career pathway and upon completion of the introductory and technical level courses in the pathway. In addition, it enables the instructor and coordinator to communicate to students what skills and knowledge are necessary to enter certain careers. Internships also help teachers keep their curricula up-to-date.

### **Internships help students:**

- Gain hands-on experience at a local business to build upon skills learned in the classroom
- Establish a clear connection between education and work
- Develop an understanding of the workplace under the guidance of an adult mentor.
- Explore and research a variety of careers
- Develop workplace responsibility and learn about workplace realities
- Establish professional contacts for future employment and mentoring
- Establish positive work habits and attitudes
- Learn technical skills that will be invaluable for future jobs
- Understand what education opportunities are available that will lead to a career in their chosen career pathway



## *HUTCHINSON CAREER & TECHNICAL EDUCATION ACADEMY (HC&TEA)*

Prerequisite: Students who apply must be in good standing in the school and must have the principal's approval. Application must be submitted in the spring of the Sophomore or Junior year. Not everyone can be accepted since each area school has only a few openings available for each program.

### *DUAL CREDIT COURSES W/ HCC*

**\*\*\* Dual Credit Courses will have fees with HCC, estimated cost is \$270 per course\*\*\***

#### **ENGLISH COMPOSITION I** (ENG145F)

Prerequisite: Research Writing, teacher recommendations, English grades, ACT scores and GPA

Grade Level: 12

Length of Course: 1 Semester ( Fall Only)

Credit: ½ Unit (Dual Credit Options through H.C.C.)

This course will teach the essentials of composition. Emphasis is placed on practice in writing expository paragraphs and essays and in using the techniques of research. Selected readings for models and criticism are used.

The student will:

1. Demonstrate an understanding of the writing process, which enables more efficient production of compositions.
2. Write effective expository essays.
3. Revise selected essays comprehensively.
4. Apply research techniques to the preparation of at least one research project which may employ one or more of the rhetorical types.
5. Demonstrate an understanding of nonfiction writing and reading, which enhances critical thinking, analytical skills, and evaluative processes as well as develops reading and writing skills.

#### **ENGLISH COMPOSITION II** (ENG146S)

Prerequisite: Research Writing, teacher recommendations, English grades, ACT scores and GPA.

Grade Level: 12

Length of Course: 1 Semester

Credit: ½ Unit (Dual Credit Options through H.C.C.)

This course is a continuation of the English Composition I competencies in written expression, as well as exploration of additional competencies in autobiographical nonfiction, persuasion, research, and critical analysis of literature.

The student will:

1. Demonstrate an improved expressive insight in writing and reading acquired in the English Composition I course, emphasizing continued pursuit of mastery over rhetorical principles of unity, coherence, and development of composition content.
2. Exercise the strategies of intellectual exploration through selected thematic units of nonfiction, fiction, and poetry as the bases for both self-expression and encounters with ideas.
3. Explore the novel (or full-length, nonfiction work) as a genre with profound expressive possibilities in both evoking a particular time and place and in providing insight into the nature of human experiences.

**PUBLIC SPEAKING** (OLA195PF)

Grade Level: 12

Length of Course: Fall Semester

Credit:  $\frac{1}{2}$  Unit

Principles and practices of oral communication that will help the student develop skills in communication and acquire an understanding of oral communication as a vital human skill and activity.

**COLLEGE ALGEBRA** (MAT244F)

Prerequisite: Algebra I, Geometry, and Algebra II, GPA of 3.5 or Accuplacer Score

Grade Level: 10-12

Length of Course: 1 Semester (Fall)

Credit:  $\frac{1}{2}$  Unit

Required Materials: TI-84 graphing calculator and a 3-ring notebook

This is a college-level course and is offered as dual-credit through HCC. To receive college credit from HCC, the student must meet enrollment qualifications, as well as pay for the credits. The class will cover the theory of equations, functions, inverse functions, complex numbers, determinants, and matrices.

**TRIGONOMETRY** (MAT246S)

Prerequisite: College Algebra w/ C or better

Grade Level: 10-12

Length of Course: 1 Semester (Spring)

Credit:  $\frac{1}{2}$  Unit

Required Materials: TI-84 graphing calculator and a 3-ring notebook

This is a college-level course and is offered as dual-credit through HCC. To receive college credit from HCC, the student must meet enrollment qualifications, as well as pay for the credits. The class will cover the study of the six trigonometric functions and their inverses with emphasis on basic formulas, identities, and solutions of right and oblique triangles.

**STATISTICS** (02209)

Prerequisite: College Algebra w/ C or better

Grade Level: 11-12

Length of Course: 1 Semester (Spring)

Credit:  $\frac{1}{2}$  Unit OR 3 college credit hours

Required Materials: TI-84 graphing calculator and a 3-ring notebook

This is a college-level course and is offered as dual-credit through HCC. To receive college credit from HCC, the student must meet enrollment qualifications, as well as pay for the credits. The students will learn elementary statistics applications that are necessary for many college majors. This class has to be taken for college/hs credit. It is not offered as a high school only class.

**CALCULUS** (MAT245)

Prerequisite: 80% or higher in BOTH College Algebra & Trigonometry, Accuplacer Test or 3.5 GPA

Grade Level: 11-12

Length of Course: 1 Year

Credit: 1 Unit OR 5 college credit hours

Required Materials: TI-84 graphing calculator and a 3-ring notebook

This is a college-level course and is offered as dual-credit through HCC. To receive college credit from HCC, the student must meet enrollment qualifications, as well as pay for the credits. Calculus is designed for the student who has excelled in all of the prerequisite courses. The student must be willing to be challenged. Areas of focus will be derivatives, integrals, limits, and applications of each.

**ONLINE GENERAL PSYCHOLOGY** (SOC337)

Grade Level: 12

Length of course: 1 semester (Fall or Spring)

Credit: ½ Unit

This course is a survey of the fundamental principles of behavior including physiological, perceptual, historical, methodological, learning, memory, development, motivational, emotional, social and applied perspectives.

**MEDICAL TERMINOLOGY**

Grade Level: 12

Length of course: 1 semester (Fall or Spring)

Credit: ½ Unit

Elements of *medical* language including common abbreviations. Emphasis is placed on spelling, pronunciation, correct usage, and meaning relating to body systems, *medical* science, and *medical* specialties.

**CERTIFIED NURSING AIDE** (991) (CNA) (Only offered based on enrollment numbers)

Grade Level: 10-12

Length of Course: 1 Semester

Credit: ½ Unit

Successful completion of this class allows students to gain certification as a CNA (Certified Nurse Assistant). In this course the emphasis is to train, promote and enhance employability skills and attributes in the healthcare field. Core technical skills required in all health care areas will be taught. This will be accomplished by skill development within the classroom as well as a range of clinical experiences targeting areas of interest in the healthcare field. All students will be expected to provide their own transportation to and from these on-site experiences. All participants shall show proof of up-to-date hepatitis immunizations and TB test results. There will be a \$40.00 state testing fee later in the course.

**CERTIFIED MEDICATION AIDE** (991S) (CMA)

Prerequisite: CNA and passing score on the state test \*Must be 18 by June\*

Grade Level: 12

Length of Course: 1 Semester (Spring Only)

Credit: ½ Unit

Successful completion of this class allows students to gain certification as a CMA (Certified Medication Aide). This course provides certified nurse aides with the fundamental knowledge of medications; their use, actions, side effects and dosages. Documentation, management, and supervision skills are taught. Students must pass theory and clinical portions. Meets state requirements for Certified Medication Aide state exam. All students will be expected to provide their own transportation to and from these on-site experiences. All participants shall show proof of up-to-date hepatitis immunizations and TB test results. Students desiring to take the certification test for CMA must be 18 years of age by the June testing date.

## OTHER COURSES

### **DRIVER EDUCATION** (DRE312)

**Class time and driving will take place in the summer.**

**Session Cost: \$205.00 (Out-of-district Student Cost: \$255.00)**

Grade Level: Must be 14 Years Old by June 1<sup>st</sup> of the current school year

Length of Course: State of Kansas Determined

Credit:  $\frac{1}{4}$  Unit

A student must successfully complete both phases of the course before a certificate of completion can be granted. The course is intended to give the student the basic skills and proper attitudes necessary for competent driving. The student will learn about himself as a driver, the motor vehicle, and about the highway transportation system. The course also attempts to develop a sense of personal and social responsibilities in establishing sound habits and insights to safe driving.

### **EXPANDED LEARNING** (EXP350)

Prerequisite: Identified for Gifted Program and Current I.E.P. lists Special Needs

Grade Level: 9-12

Length of Course: 1 Semester or 1 Year

Credit:  $\frac{1}{2}$  or 1 Unit

This is for the curious learner to acquire knowledge through an accelerated, independent, or directed study. Areas of extra study may include History Day Preparation, Science Olympiad, Scholars' Bowl, AP Test preparation and college scholarship preparation (12). Class may be limited due to the availability of instructors.