

CAM High School



2025-2026

Course Descriptions

Educational Equity and Non-Discrimination

It is the policy of CAM Community School District not to discriminate on the basis of race, creed, color, sex, sexual orientation, gender identity, national origin, disability, or religion in its programs, activities, or practices as required by the Iowa Code section 216.7. The school district does not discriminate on the basis of race, color, national origin, sex, disability, religion, creed, age (for employment), marital status (for programs), sexual orientation, gender identity and socioeconomic status (for programs) in its educational programs and its employment practices as required by the Iowa Code sections 216.9 and 19B.11, (Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. & 2000d and 2000c), the Equal Pay Act of 1973 (29 U.S.C. & 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. & 1981 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. & 794), and the Americans with Disabilities Act (42 U.S.C. & 12101, et seq.)

Table of Contents

Graduation Requirements.....	3
Scheduling & Grading Scale.....	4
Iowa Regent University Requirements.....	5
English.....	6-8
Math.....	8-9
Science.....	9-10
Social Studies.....	11-12
Foreign Language.....	12-13
Art.....	13-15
Music.....	15-16
Agriculture.....	16-18
Business/Technology.....	18-19
Industrial Technology.....	19-20
Computer Science.....	20
Physical Education/Health.....	20-21
Multi Occupations/Work Release.....	21-22
Post Secondary Enrollment: IWCC.....	22-23

Requirements for Graduation

Students must satisfy the following requirements to graduate from CAM High School. Fifty-six (56) credits are required for high school graduation.

English	8	9th - Freshman English (2 Credits) 10th - Sophomore English (2 Credits) 11th - Junior English (2 Credits) Electives (2 Credits)
Mathematics	6	9th - Algebra I (2 Credits) 10th - Geometry (2 Credits) 11th - Algebra II (2 Credits)
Science	6	9th - Earth and Space Science (2 Credits) 10th - Biology (2 Credits) 11th - Physical Science (2 Credits) OR Chemistry (2 Credits) Physics (2 Credits)
Social Studies	6	9th - Cultural Geography (2 Credits) 10th - American History (2 Credits) 11th - 12th American Government (1 semester -1 Credit) Elective (1 Credit)
Financial Literature	1	11th - 12th Financial Literature (1 semester - 1 credit)
Physical Education	8	Per the State of Iowa: Students must take PE each semester enrolled in school. *Can waive PE for participation in athletics one semester per year for athletics.*
Health	1	9th - 12th Health ED or Health & Fitness (1 semester - 1 credit)
Electives	20	Any
Total Credits	56	

Purpose

The purpose of this handbook is to provide students and parents with the course offerings of CAM High School and to provide information which will assist in the selection of courses. The School Counselor is available to assist students and their parents in course selection. An appointment with the counselor can be made by calling 712-746-7060.

Early Graduation

Students meeting all the graduation requirements of the CAM High School may graduate before the end of their eighth semester. Any student wanting to exercise this option must meet with the counselor to arrange their schedule and check their status for early graduation. Students must apply in the first semester of their senior year. Early graduates will not be able to participate in school activities after the start of second semester but will be able to be involved with Prom unless they have had a Good Conduct Violation during 2nd semester or have events (or time) that have not been served from first semester.

Course Changes: Dropping or Adding A Class

Students work with the School Counselor to develop their schedules. **A student may request to drop or add a class during the first three school days of the semester.** After the third day, students will remain in the class for the semester. Schedule changes are limited and will require the permission of the parents, classroom teachers, principal, and the counselor.

Grading Scale

A (100-96) = 4.0

A- (95-92) = 3.67

B+ (91-89) = 3.33

B (88-86) = 3.00

B- (85-83) = 2.67

C+ (82-79) = 2.33

C (78-75) = 2.0

C- (74-73) = 1.67

D+ (72-70) = 1.33

D (69-67) = 1.0

D- (66-65) = 0.67

F (64 or below) = 0

Iowa Regent University Requirements

	Iowa State University	University of Iowa	University of Northern Iowa
English	4 years emphasizing writing, speaking, reading, as well as an understanding and appreciation of literature	4 years with an emphasis on the analysis and interpretation of literature, composition and speech	4 years including one year of composition, also may include one year of speech communications or journalism
Math	3 years including one year each of algebra, geometry and advanced algebra	3 years including two years of algebra and one year of geometry for admission to the College of Liberal Arts & Science *College of Engineering 4 years including two years of algebra, one year of geometry and higher math (trigonometry, analysis or calculus).	3 years including equivalents of algebra, geometry and algebra II
Natural Science	3 years including 1 year each from any 2 of the following bio, chemistry or physics	3 years including courses in physical science, biology, chemistry, environmental science & physics for the College of Liberal Arts & Science. *College of Engineering 3 years with at least 1 year each in chemistry & physics. Nursing 3 years including 1 year each in biology, chemistry & physics	3 years including general science, biology, chemistry, earth science & Physics. Laboratory experience is highly recommended
Social Studies	2 years for admission to the Colleges of Agriculture and Life Sciences, Business, Design, Human Sciences and Engineering. 3 years for admission to the College of Liberal Arts and Sciences	3 years with US history & world history recommended for the College of Liberal Arts & Sciences & College of Engineering	3 years including courses in anthropology, economics, geography, govt, history, psychology & sociology
World Language	2 year of a single foreign language for admission to the College of Liberal Arts & Sciences & College of Engineering	2 years of a single foreign language	Foreign languages courses are not required for admission. However two years of a foreign language in high school with a C- or above will meet the university's graduation requirement
Other Courses	No Specific Electives	No Specific Electives	No Specific Electives

English Department

Freshman English

(Year, Grade 9th)

Students will have the opportunity to read a variety of books throughout the year, three of which will be read by the entire class. We will also discuss and write about each book we read as a class. Students also will experience creating individual projects using a variety of technology. Silent Sustained Reading will require students to read a variety of books they choose throughout the year. Students will regularly work with a variety of vocabulary strategies while reading. Students will experience the full writing process by creating a variety of formal, original pieces for different reasons (narrative, informational, and persuasive). Students also will write for different audiences. Students will learn the Modern Language Association (MLA) style for writing an informational research paper. Students will learn the skills to self edit and peer edit. Students will read and analyze different kinds of literature.

Sophomore English

(Year, Grade 10th)

Successful completion of freshman English is required to enroll. We will read at least two, full-length books as a class. Students will focus on vocabulary and close-reading skills the entire year. We will discuss, analyze, and write about what we read. Students will experience the full writing process by creating a variety of formal, original pieces for different reasons (narrative, persuasive, and argumentative). Students also will write for different audiences. Students will improve on the Modern Language Association (MLA) and Chicago style for writing within answering comprehension questions and research essays. Students will continue utilizing the skill of self editing through ratiocination-a critical thinking process for editing. In addition to the two novels, students will read and analyze different kinds of literature to ensure exposure to a wide variety of academic writing.

Junior English

(Year, Grade 11th)

Students will build upon the full writing process by creating a variety of formal, original pieces for different reasons (narrative, persuasive, and argumentative). Students also will write for different audiences. Students will improve on the Modern Language Association (MLA), Chicago Style, and learn the APA (American Psychological Association) Style of writing research papers, works cited pages, and annotated bibliographies. Students will continue utilizing the skills of self editing and peer editing. Students will read several Literature-based books. Our learning of vocabulary skills and close reading will continue. We will analyze and discuss these as a class.

Mythology

(Semester, Grade 9th - 12th)

This course is an introduction to myths from around the world. Students will study the similarities and differences between various mythologies, analyze how past cultures have used mythology to explain the world and human nature, and explore why myths are relevant

to humans today. This class requires frequent reading of assigned myths, regular writing assignments, and occasional essays, presentations, and projects.

Individual and Group Speech

(Semester, Grade 9th - 12th)

Students will have the opportunity to learn how to use oral and written skills in formal and informal situations. Each topic of speech will be written and presented based on the presentation of one's voice and body, thoughtful understanding and interpretation of literature, logic and reasoning, and the organization of thought and supporting materials. This class will have a direct link to Speech and Debate, where participation is encouraged, but not required. General speeches such as exposition, prose, poetry, radio broadcast, literary review and program, original oratory, debate, after dinner, one act-skits, improvisation, and spontaneous speech will be the core of the curriculum. Public Presentations are an expectation of the course. This course will be offered each fall semester to acquaint students with the Speech Program and encourage participation.

American Literature

(Semester, Grade 11th or 12th)

This one semester course focuses on American Literature—primarily, *The Crucible* and *Fahrenheit 451*. The reading books are subject to change. We will discuss, analyze, and write about what we read. Students will experience the full writing process by creating a variety of formal, original pieces for different reasons (narrative, persuasive, and argumentative). Students also will write for different audiences. The students will also provide written responses with an appropriate logical argument. Students will improve on the Modern Language Association (MLA), Chicago Style, and learn the APA (American Psychological Association) Style of writing research papers, works cited pages, and annotated bibliographies. **Successful completion of Sophomore English is a prerequisite.**

Contemporary Literature

(Semester, Grade 11th or 12th)

This one semester course focuses on a wide variety of literature and literature based reading. The students will be integral in choosing books to read. We will discuss, analyze, and write about what we read. Students will experience the full writing process by creating a variety of formal, original pieces for different reasons (expository, persuasive, and argumentative). Students also will write for different audiences. The students will also provide written responses with an appropriate structure. Students will improve on the Modern Language Association (MLA), Chicago Style, and learn the APA (American Psychological Association) Style of writing research papers, works cited pages, and annotated bibliographies. **Successful completion of Sophomore English is a prerequisite.**

Creative Writing and Film

(Semester, Grade 9th - 12th)

This course involves viewing specific films selected by the instructor and then writing an essay over the film that critiques theme, genre, film production, and actor portrayal (especially

of real people) as well as related topics that the film may address. This course can be used as an English elective to complete English requirements for graduation.

Directed Writing/Communication

(Year, Grade 10th - 12th)

Do you like to keep informed about the news and events at CAM High School? If, so this course, which serves as an English elective course, is the course for you. The student will learn to write newspaper stories, conduct interviews, take pictures and manipulate them for publication through Adobe Photoshop. Once a week these articles and pictures will be published in The Spy, which is a student designed section of the Anita Tribune. If you are interested in layout design, then you may be interested in becoming a layout editor using Adobe In-Design software to create the .pdf that is sent in for weekly publication.

Math Department

Algebra I

(Year, Grade 9th)

This course concentrates on shortening the methods of solving mathematical problems. Topics include basic operations of real numbers, linear equations and inequalities, graphing, exponents, polynomials, rational expressions, roots and radicals, and word problems.

Geometry

(Year, Grade 10th)

This course is a presentation of Geometry using a straightforward inductive approach. The topics of discussion include parallel lines, congruent triangles, relationships within triangles, quadrilaterals, similarity, right triangles and trigonometry, and transformations. **Algebra I is a prerequisite for this course.**

Algebra II

(Year, Grade 11th)

This course is a continuation of Algebra I. The student will review the fundamentals of Algebra and be introduced to exponents and radicals, functions and graphs, quadratic equations, inequalities, and systems of equations. Emphasis will be on learning the general structure of the number system. **Algebra I and Geometry are prerequisites for this course.**

Pre-Calculus

(Year, Grade 11th - 12th)

An intensified study of algebra will be incorporated into topics which include linear, quadratic, polynomial, rational, exponential, trig, logarithmic functions, radians, and the unit circle. Graphing calculators are integrated into the subject. This course helps prepare students for calculus. **Algebra I, Geometry, & Algebra II are a prerequisite for this course.**

Calculus

(Year, Grade 12th)

Calculus is an important branch of mathematics. This course first explores the concept of limits, which then allows for the introduction of derivatives and differentials. Later integrals and methods of integration are studied. Both differentiation and integration are used in this course to solve real-world problems. Instructor approval is required.

Probability & Statistics

(Year, Grade 11th & 12th)

This course provides an introduction to the topics in statistics. Topics include summarizing data, descriptive statistics, measures of center and variation, probability, probability distributions and hypothesis testing. Extensive use of formulas is an essential element of this course. **Algebra I & Geometry are a prerequisite for this course.**

Financial Literature

(Semester, Grade 11th)

This is a required course that will give you a head start on your future! You will learn how to save money at a young age that will help you retire someday with dignity. Learning how to manage your money is one of the important skills you can possess. You will learn how to save money, and handle a checking account. You will also learn about insurance and taxes, as well as what it means to have a good credit score. This is just the beginning, so come join us for a learning experience that will prepare you to have a solid financial future.

Science Department

Earth & Space

(Year, Grade 9th)

Earth and space science is a course designed to integrate a relationship approach to society and the natural world around us. Topics will include Earth's place in the universe, the different earth systems, and theoretical problems found on earth.

Biology

(Year, Grade 10th)

This course is designed to provide students with a basic understanding of life science. Focus will primarily be on the Cell, Cell Specialization, DNA, Inheritance, Evolution, and Natural Selection, Homeostasis, Matter and Energy. It will also focus on problem-solving strategies, proper laboratory techniques and safety, group cooperative work, organization and communication skills that will prepare students for more advanced science courses and future career training.

Physical Science

(Year, Grade 11th)

This course is designed to provide students with a basic understanding of physics and chemistry, problem-solving strategies, proper laboratory techniques and safety, group cooperative work, organization and communication skills that will prepare students for more advanced science courses and future career training. ***Can be replaced with a full year of Chemistry and Physics**

Anatomy & Physiology I

(Semester, Grade 11th & 12th)

A one semester introductory course in human anatomy and physiology. Includes study of the structure and function of the structure and function of cells, tissues, and the integumentary, skeletal, muscular, and nervous systems. Introduces common human diseases and processes. Laboratory component includes anatomical studies using microscopes and dissections. **Prerequisite: Biology**

Anatomy & Physiology II

(Semester, Grade 11th - 12th)

Introductory course in human anatomy and physiology. Includes the study of cardiovascular, respiratory, digestive, urinary, and reproductive systems. Introduces common human diseases and processes. Laboratory component includes anatomical studies using microscopes and dissections. **Prerequisite: Anatomy and Physiology I**

Chemistry

(Year, Grade 11th - 12th)

This is a college preparatory course designed to provide students with an overview of the subject. Students will cover the classification of matter, basic atomic theory, periodic trends, chemical bonding, balancing chemical equations, chemical reactions, equilibrium chemistry, acid/base reactions, chemistry of solutions, thermochemistry, electrochemistry, and a brief overview of both organic and nuclear chemistry. Students should have a solid foundation in algebra prior to taking this course. This is a laboratory science class.

Physics

(Year, Grade 11th - 12th)

This is a college preparatory course that will provide the student with an understanding of our universe. Students will cover the fundamental forces, circular motion, an extensive study of motion, a brief introduction to vectors, the three laws of motion, conservation of energy, conservation of momentum, electromagnetism, simple circuits, an overview of waves, thermodynamics, and physical chemistry. This course is laboratory science.

Social Studies Department

Cultural Geography

(Year, Grade 9th)

The student will be introduced to the world cultures; their economical, social, and political lifestyles; and their social problems. Emphasis will be on discussions dealing with current issues and information on world social problems.

American History

(Year, Grade 10th)

The course covers the history of our nation from the Civil War to the present. Emphasis will be on the political, social, and economic aspects of American history. Current events will be a vital part of this course. Students will be assigned book reports and projects covering various periods in American history.

American Government

(Semester, Grade 11th - 12th)

The course will introduce the student to the fundamentals of American democracy; constitutionalism; nature of federalism; rights and duties of citizens; the institution and processes of the executive, legislative, and judicial branches of government; and political parties. There will be discussions on comparisons between the federal, state and local government.

Survey of Criminal Justice & Law

(Semester, Grade 10th - 12th)

This course introduces the student to the fundamental processes and issues involved in Criminal Justice. Topics include a study of the types of crime, the role of the police in contemporary society, the American court system, and causes and treatment of crime and delinquency. The student will examine the relationship among the criminal act, the state of mind, and the criminal result.

Social Science

(Semester, Grade 11th - 12th)

This course serves as a broad introduction to the field of Psychology and Sociology. This course will expose students to psychology as a natural and social science. Major theories, developmental stages, and research in the area of human development are studied. Genetic and environmental factors that influence the physical, cognitive, and social development of individuals throughout a lifespan will be looked at during class. Sociology will feature how societies are examined, organized, how they change, and how they shape collective social existence. Interaction between individuals and society, how social structures shape everyday life, social inequalities and social change are all areas that will be explored during the class.

World Geography

(Semester, Grade 9th - 12th)

World Geography will cover key events that impacted the history of the world from

ancient times to all the way to the present day. Students will examine how classical civilizations progressed, study revolutions throughout history and finish with modern history. This class will try to focus on student interest.

US & World Affairs

(Semester, Grade 10th - 12th)

The study of contemporary geo-political issues in the world and how they relate to the United States.

Foreign Language Department

All Spanish Courses Are A Full Year. Dropping Mid-Year Is Strongly Discouraged.

Spanish I

(Year, Grades 9th - 12th)

Spanish I covers basic everyday phrases in Spanish, as well as the foundations of grammar and vocabulary needed for future courses. Students will develop listening, speaking, reading, and writing skills with essential grammar concepts (subject pronouns, conjugation of regular and irregular verbs), and everyday vocabulary topics. Students will also have a chance to learn about different cultural topics centered around the Spanish-speaking world.

Spanish II

(Year, Grades 10th - 12th)

Spanish II continues to develop skills in Spanish as more vocabulary is acquired and students learn to navigate everyday situations in the language. There is a very strong grammatical component on this course, centering around irregular verbs in the present, as well as pronouns, and an introduction to past tenses. In Spanish II, you will continue expanding your vocabulary on everyday topics. A strong grasp of previous Spanish I basic vocabulary and grammar is essential for this course. **Requirements: Spanish I**

Spanish III

(Year, Grades 11th - 12th)

Spanish III reviews the basic elements of the language before moving on to more advanced vocabulary and grammar to enable you to be independent in a Spanish-speaking environment. More complex grammar concepts are introduced, and we continue to increase our vocabulary and knowledge of the culture of Spanish-speaking countries. A strong command of everyday vocabulary and basic

grammar learned in Spanish I and II is vital for this course. **Requirements: Spanish I and II**

Spanish IV

(Year, Grade 12th)

Spanish IV builds on all the grammatical and vocabulary knowledge obtained in Spanish III. In this course, you will learn some of the more complex grammar structures that allow you to speak the language more naturally. A very strong command of everything covered in Spanish I through III is essential for this course. **Requirements: Spanish I, II and III**

Art Department

Intro to Art

(Year, Grades 9th - 12th)

This course provides introductory instruction in the visual arts. Students will gain basic knowledge and skills through assignments in design, drawing and painting, and sculpture. Students will acquire a foundational visual art vocabulary and an ability to use the language of art in discussions and through critiques. This course prepares the student for all other visual art courses offered at CAM. **Seats for 20 students.**

Drawing

(Semester, Grades 10th - 12th)

This art course blends academic and technical understanding with creative development. Students will learn drawing skills from direct observation, perspective, negative space, value patterns, shading, critical thinking and problem solving. A variety of drawing techniques and media may be explored, including pencil, charcoal, ink, and colored pencil. Through this course, students will build confidence in their artistic ability. **Prerequisite - Intro to Art. Seats for 20 students.**

Painting

(Semester, Grades 10th - 12th)

This course examines the different types of painting, media, and techniques including watercolor, acrylic and oil paints. Students will learn different painting styles, techniques and media exploration. In this course they will be studying different artist styles both modern and masters. Students will explore personal creative expression and examine their work in the context of historical and contemporary art. Through this

course, students build confidence in her/his artistic ability, and develop pieces to begin to build a portfolio of work. **Prerequisite - Intro to Art. Seats for 15 students.**

Art in the Community

(Semester, Grades 10th -

12th)

This class will require students to be self motivated and be able to work independently. Projects will likely include murals and large scale pieces. There may be required work outside of class to finish murals. **Seats for 10 students.**

Ceramics I

(Semester, Grades 10th - 12th)

This course is an introductory/intermediate level ceramics course in which students design and construct hand built functional objects. Hand building techniques include pinch, coil, and slab construction. Students will also learn a variety of glazing and firing techniques. Additionally students will research the history of ceramics and sculpture by studying the different styles, eras, and artists and their impact. **Prerequisite - Intro to Art. Seats for 15 students.**

Ceramics II

(Semester, Grades 10th - 12th)

This course is an introductory/intermediate level ceramics course in which students design and create wheel thrown ceramic objects. Wheel throwing techniques include cylinder cups, bowls, and small vessels. Students will also learn a variety of glazing and firing techniques. Additionally students will research the history of ceramics and sculpture by studying the different styles, eras and artists and their impact.

Prerequisite - Intro to Art. Seats for 15 students.

Sculpture/3D Art

(Semester, Grades 10th - 12th)

Additive, subtractive, and manipulation techniques will be used with a variety of media, including clay and non-traditional art materials, to explore the sculptural form. Students will investigate the history of 3-D Design as well as view work by historically significant and contemporary artists as they develop sculptural forms. Using the language of visual art, students will evaluate, analyze, and respond to their own works, the works of peers and works of professional artists. **Prerequisite - Intro to Art. Seats for 15 students.**

Jewelry I

(Semester, Grades 10th - 12th)

This course provides introductory instruction in design and construction of jewelry and small sculptural and functional objects in non-ferrous metals. Students will learn basic fabrication, forming, and surface embellishment techniques for metal. While learning technical skills in jewelry design, students will complete projects that encourage critical thinking and artistic personal expression that apply previously learned knowledge of the Elements and Principles of Art and design. Students will apply visual art vocabulary and an ability to utilize the language of art in discussions, during critiques and in written reflections. **Prerequisite - Intro to Art. Seats for 10 students.**

Jewelry II

(Semester, Grades 10th - 12th)

This course provides introductory/intermediate instruction in design and construction of jewelry and small sculptural and functional objects in non-ferrous metals. Students will learn basic fabrication, forming, and surface embellishment techniques for metal. While learning technical skills in metalwork, sculpture and jewelry design, students will complete projects that encourage critical thinking and artistic personal expression that apply previously learned knowledge of the Elements and Principles of Art and design. Students will apply visual art vocabulary and an ability to utilize the language of art in discussions, during critiques and in written reflections. **Prerequisite - Intro to Art and Jewelry I. Seats for 10 students.**

Music Department

Band

(Year, Grades 9th -12th)

This course is designed for the student to develop talents in the Instrumental Arts. The Band performs in concerts, athletic events, and competes in state music contests. The student will work towards confidence and proficiency in both individual and ensemble settings. Music of varying styles will be covered during this course. Students will be required to perform outside of school hours as part of their grade. By participating in required and optional events, students may earn points towards lettering in Instrumental Music.

Vocal Music

(Year, Grades 9th -12th)

This course provides the student with the opportunity to discover, develop, and reach their potential musical talents in the Choral Arts. Students will learn to sing alone and with others varied styles of music. Concert Choir members perform for concerts, a musical performance (in the Fall Semester) and state contests throughout the year, for which attendance is mandatory. Participation in these curricular events is part of their grade. Several optional activities are offered and encouraged, including solo performances, honor choirs, and national anthem singing. This course requires some practice outside of regular school hours. By participating in required and optional events, students may earn points toward vocal awards at the completion of the school year.

CTE

Ag, Business/Technology, Industrial Tech

Agriculture Department

Intro to Ag

(Year, Grade 9th-12th)

The Introduction to Agriculture course will allow students to explore the agricultural industry such as animal science, agribusiness, plant science, food science, and FFA. Students will also participate in career exploration, student projects, hands on experience, and develop their SAE projects. **All students interested in taking further Ag classes MUST complete Intro to Ag.**

Ag Business

(Year, Grade 12th)

Agribusiness courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. These courses may cover topics such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan,

employee/employer relations, problem-solving and decision-making, commodities, and building leadership skills. These courses may also incorporate a survey of the careers within the agricultural industry. **Prerequisite - Intro to Ag**

Ag Mechanics I (Semester, Grades 11th - 12th)

This course covers methods used in both equipment maintenance and facilities construction. Topics include concrete and masonry, electricity, plumbing, carpentry, welding, and general maintenance of equipment. Small engine maintenance, to include the complete overhaul, will be the emphasis in power mechanics. Topics will include tools, measuring devices, troubleshooting, and gas/diesel engine theory. **Prerequisite - Intro to Ag**

Ag Mechanics II (Semester, Grades 11th - 12th)

This course is to give the student advanced instruction in ag mechanics and maintenance. **Prerequisite - Intro to Ag & Ag Mechanics I**

Plant Science (Semester, Grades 9th - 12th)

Plant Science will provide students with the form and function of plant systems. Student experiences include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students learn how to apply scientific knowledge and skills to use plants effectively for agricultural and horticultural production. Students discover the value of plant production and its impact on the individual, the local, and the global economy. **Prerequisite - Intro to Ag**

Animal Science I (Semester, Grades 10th - 12th)

Animal Science courses impart information about the care and management of domestic and farm animals. These courses may cover basic animal identification, animal health & behavior. Students will learn how to care and maintain livestock such as swine, cattle, horses, sheep, etc. **Prerequisite - Intro to Ag**

Animal Science II (Semester, Grades 10th - 12th)

Students will develop on the information learned from Animal Science I. This course will expand on animal nutrition, reproduction, anatomy, marketing, and livestock judging. This will be a hands on course with several farm visits. **Prerequisite - Intro to Ag & Animal Science I**

Food Science I

(Semester, Grades 9th - 12th)

Students will complete hands-on activities, projects, and problems that simulate actual concepts and situations found in the food science and safety industry, allowing students to build content knowledge and technical skills. Students will investigate areas of food science including food safety, food chemistry, food processing, food product development, and marketing. **Prerequisite - Intro to Ag & Food Science I**

Food Science II

(Semester, Grades 10th - 12th)

Students will build on the knowledge gained in Food Science I. This course will expand on food microbiology, sensory evaluation, quality assurance, innovative food technologies, and global food systems. Emphasis will be placed on skill development, critical thinking, and the application of industry-standard practices. **Prerequisite - Intro to Ag & Food Science I**

Landscaping

(Semester, Grades 10th - 12th)

Students will cover soil properties, conservation, irrigation, and management. This class will give students tools to improve natural resources including air, forest, fish, water, and other wildlife. Students will also learn how to design an outdoor landscaping space using the tools learned throughout the class. **Prerequisite - Intro to Ag**

Business & Technology Department

Digital Media

(Semester, Grades 9th - 12th)

This (1) semester class is a survey class that will introduce students to a variety of creative tools, such as Adobe's Photoshop, Illustrator, InDesign, and Premiere Pro video editing. The focus of this course is to expose students to processes and techniques that enhance their basic knowledge and skills through both classroom material and hands-on experiences. This course fulfills the prerequisite for Digital Media, Small Business, Photography, and Animation. **Seats for 15 students.**

Photography

(Year, Grades 11th - 12th)

This one (1) year course will focus on the proper use of multi-function, DSLR cameras and how to create artistic photographs. Students will learn the appropriate use of composition by demonstrating composition rules such as leading lines, rule of thirds,

negative space, horizon lines, and symmetry and patterns. Students will use Adobe Photoshop, Lightroom, and Illustrator to create visually interesting and stunning photos to promote and enhance student life both on and off campus. The majority of photos will be taken outside of the classroom and at sporting or special events. Students will be required to attend after-school activities to photograph the events. Students in photography will also be responsible for producing the school's annual yearbook. This course is intended for 11th and 12th grade students. **Prerequisite: Intro to Digital Media. Seats for 15 students.**

Film-Making

(Year, Grades 10th - 12th)

This one (1) year course will focus on the basic fundamentals of creating a variety of film projects, to include producing commercials, documentaries, PSA's (public service announcements), and short films. Students will become competent in the basics of lighting and sound, script writing, storyboarding, filming, editing, and promotion/distribution of the final project. **Seats for 10 Students**

Industrial Technology Department

Tools & Skills

(Year, Grades 9th - 12th)

Course will focus on shop and machine use, safety, and maintenance. Students will learn how to accurately estimate a project. Throughout the year basic blueprint drawing and reading will be introduced. Students will learn basic carpentry skills as well as how the wood industry operates. Students will gain hands-on experience in the shop working on projects. Students will participate in a group project as well as be able to choose from a list of instructor chosen projects. **Seats for 12 students.**

Wood Process and Materials

(Year, Grades 10th -

12th)

Course will begin with a review of the safety of the machines and the shop. Students will choose individual projects, create estimates and complete projects as time allows. One major project is required. Students will spend most classes in a hands-on setting. **Prerequisite: Tool Skills. Seats for 12 students.**

Construction

(Year, Grades 11th - 12th)

Students will cover safety of equipment and the job site. Students will learn basic framing, exterior/interior wall covering, roofing, electrical, plumbing, basic home maintenance. Students will gain hands-on skills from the building projects the class will be involved in. Preference will be given to seniors. **Seats for 12 students.**

Intro to Welding

(Semester, Grades 11th - 12th)

This course will focus on basic shop and welding safety. It will cover basic metallurgy, cutting techniques and welding techniques. Students will have the opportunity to gain hands-on skills throughout the class. Preference will be given to seniors. **Seats for 10 students.**

Computer Science

Computer Science

(Year, Grades 9th - 12th)

This is a one year course that will look at simple programming. We will look at a started program to expose students to the world of programming. If you are interested go ahead and sign up!

Physical Education & Health Department

Physical Education

(Year, Grades 9th - 12th)

Students will be introduced to lifelong recreational activities. Emphasis is placed on the student exploring different opportunities within a wide variety of activities.

Health Education

(Semester, Grades 9th - 12th)

This course is a requirement for graduation. The purpose of this class is to help students make good decisions about their physical, social and mental health. As the costs of health care increase and the public becomes more health-conscious, it is important for students to understand the issues and assume responsibility for their own wellness.

Health & Fitness

(Semester, Grades 9th - 12th)

This course fulfills the health requirement for graduation. The purpose of this class is to help students make good decisions about their physical, social and mental health through movement and a comprehensive fitness component.

Multi Occupations/Work Release

Internship

(Semester, Grades 11th - 12th)

This course will provide students with the opportunity to explore career interests in the field they've marked in their Choices portfolio. A weekly reflection journal of their activities will be kept electronically, a mock interview will be held during the placement and resume development and review will be a component of the internship. You will be evaluated by your supervisor and an on the job visit by a MOC rep from the school will be made. **Students must be on track for graduation. Attendance is a required component of this course.**

Juniors may request Internship for 2 periods per day. Seniors may request Internship for 4 periods per day. *Students can only earn 1 credit per semester whether it is 2 periods or 4 periods.

***A total of four semesters are allowed in a student's high school career unless more are deemed necessary through and Individualized Education Plan (IEP)**

<u>Subject</u>	<u>Credit</u>	<u>Course Length</u>	<u>Grade Levels</u>	<u>Required/Elective</u>
Internship	1	Semester	11th & 12th	Elective

Applications for internships must be filled out and reviewed at registration time. A correlation to your MAP career track is required and placements must come from a generated list that corresponds to your career path. If you have a placement in mind that is not on the list you must provide contact information in the application and it must be approved by the MOC

Work Release

Work Release is only an option for Juniors and Seniors. Administrative approval is required. **No credit is awarded, and therefore students must be on target for graduation.**

Post Secondary Enrollment Options (IWCC)

Students in grades nine through twelve may receive academic or vocational-technical credits that count towards graduation requirements for successfully completed courses at community colleges, private colleges or state universities. Any student interested needs to sign-up through the School Counselor.

The school district shall pay the course cost as set by the college institution for the Fall and Spring term. Summer term classes are available for high school students at their own expense.

1. The school district pays only for courses which are not offered by the high school and which are offered during the regular school year by the community college, private college or state university.
2. The student will be responsible for furnishing transportation to and from the eligible post-secondary institution.
3. Students will be granted 1 high school credit for every 3 hours of college credits earned. Grades and credits earned will be recorded on the student's transcript and will be included in the Cumulative Grade Point Average (GPA) and Class Rank.

To be eligible:

1. Students shall have demonstrated proficiency in reading, math, and science on the most recent administration of the Iowa Assessments (ISASP).
2. Measures of college readiness jointly agreed upon by the school board and the eligible postsecondary institution.
3. Alternative but equivalent qualifying performance measures.

If a student drops a IWCC course after the 100% refund college date (this date is set by the college), the student will receive an "F" for that course which will be on the

high school transcript. This grade however may not be reflected on the college transcript.