

AGWSR HIGH SCHOOL

Course Registration Guide 2025-2026



The Mission of AGWSR Community Schools is to provide EXCELLENCE IN EDUCATION so that each student will discover LIFE-LONG LEARNING and become a self-respecting, contributing adult member of the society.

Table of Contents	
Graduation Requirements	3
Required/Elective Courses	4
English	5
Social Studies	6
Math	8
Science	9
World Language	10
Art	11
PE/Health	12
CTE	14
Family and Consumer Science	15
Business	16
Agriculture	17
Industrial Technology	17
Credit Recovery	20
Senior Year Plus	21
Contracted Courses with IVCC-Ellsworth	22
RAI	23

In order for students to be ensured equal access to any course, the following Nondiscrimination Notice has been adopted by the Board of Education: “The AGWSR Community School District does not discriminate on the basis of age, race, color, national origin, gender, sexual orientation, gender identity, marital status, socioeconomic status, disability, religion or creed in its programs, activities, or employment practices.”

AGWSR High School Graduation Requirements

Students who are in good standing and who meet the graduation requirements set by the board are allowed to participate in the graduation ceremony. Seniors who are under disciplinary action may not be allowed to participate in the graduation ceremony. Students are not required to participate in the graduation ceremony.

REQUIRED ENGLISH/LANGUAGE ARTS TOTAL	8 CREDITS
9th Grade (1 year - ELA 1)	2
10th Grade (1 year - ELA 2)	2
“Selected” Junior Language Arts (ELA 3)	2
“Selected” Senior Language Arts	2
REQUIRED MATH TOTAL	6 CREDITS
Math 9th grade (1 year)	2
Math 10th grade (1 year)	2
Math 11th grade (1 year)	2
REQUIRED SCIENCE TOTAL	6 CREDITS
Physical Science-Physics Emphasis (1 year)	2
Biology (1 year)	2
“Selected” Science Credit. (Physical Science-Chemistry or Chemistry)	2
REQUIRED SOCIAL STUDIES TOTAL	6 CREDITS
World Geo Cultures (1 or 2)	1
US History (1 year)	2
Government	1
Economics	1
Selected World History	1
PERSONAL ECONOMICS (Finance or Intro to Business)	1 CREDIT
COMPUTER SCIENCE (Starts with Class of 2026)	1 CREDIT
PHYSICAL EDUCATION (at least 1 semester per year.)	4 CREDITS
HEALTH	1 CREDIT
ELECTIVES TOTAL	22
TOTAL CREDITS NEEDED FOR GRADUATION	55 CREDITS

*Approved by the AGWSR Board of Education; 1/10/2022.

Required Courses

There are eight periods in each school day. Students must fit their required classes and electives within these periods. Below are the recommended classes for each grade level.

Grade 9-Freshman

ELA 1
Physical Science-Physics
World Geo Cultures 1 or 2
Math Elective
Health
PE

Grade 10-Sophomore

ELA 2
Biology
US History
Math Elective
PE

Grade 11-Junior

ELA 3
Chemistry Elective
Economics
Government
Math Elective
PE

Grade 12-Senior

Advanced Lit/Comp
Creative Writing/Short Stories
Comp 1, Comp 2/ Lit 101
Science Elective (strongly recommended)
Math Elective (strongly recommended)
World History (1 semester)
PE

Elective Courses

English Electives	Math Electives
Creative Writing ALL Short Stories 11-12	Integrated Math 1 9 Algebra 1 9-11 Geometry ALL Integrated Math 2 10-12 Algebra 2 10-12 Integrated Math 3 11-12 Financial Literacy 11-12 Statistics 11-12 Pre-Calculus 11-12 Calculus 11-12 *Math for Liberal Arts 12
Social Studies Electives	Science Electives
World History Through Film 10-12 World History 10-12 Independent Social Studies 11-12	Chemistry 10 (w/ instructor approval) 11-12 Anatomy and Physiology I 12 Physics 11/12 Anatomy and Physiology II 12 Horticulture ALL *Animal Science 10-12

Courses marked with * are dual credit classes in which the student can earn both high school and college credit.

Course Descriptions

English (8 Semesters Required)

ELA 1 (REQUIRED)	Grade 9	Year Long	2 LA Credit
ELA 2 (REQUIRED)	Grade 10	Year Long	2 LA Credit
ELA 3 (REQUIRED)	Grade 11	Year Long	2 LA Credit

Advanced Composition **Grades 12** **Semester** **1 LA Credit**
(Fall Semester) A written communications course using various rhetorical methods. This semester course for the college-bound student will require daily writing, as well as assigned papers throughout the semester. Students will also be asked to demonstrate proficiency in grammar, usage, and mechanics. An 8-10 page MLA research paper will be a main focus for this course.

Advanced Literature **Grades 12** **Semester** **1 LA Credit**
(Spring Semester) A semester course offered to students who want to prepare themselves for college English. The course is intended to enrich the literary background of students. Numerous novels and short stories will be read to achieve this goal.

COMP 1 – Composition I IVCC **Grade 12** **Semester** **1 LA Credit**
(Fall Semester) This college-level writing course emphasizes the development of clear, effective, and purposeful prose. Students will practice writing in a variety of academic modes, with a focus on argumentative and expository essays. Emphasis is placed on the writing process, including prewriting, drafting, revising, and editing. Students will also develop critical reading and thinking skills, learn to incorporate credible sources, and apply proper citation practices. Offered through Iowa Valley Community College, this course fulfills a core requirement in written communication and provides transferable college credit.

COMP 2 – Composition II IVCC **Grade 12** **Semester** **1 LA Credit**
(Spring Semester) This college-level writing course emphasizes the development of clear, effective, and purposeful prose. Students will practice writing in a variety of academic modes, with a focus on argumentative and expository essays. Emphasis is placed on the writing process, including prewriting, drafting, revising, and editing. Students will also develop critical reading and thinking skills, learn to incorporate credible sources, and apply proper citation practices. Offered through Iowa Valley Community College, this course fulfills a core requirement in written communication and provides transferable college credit.

LIT 101 – Introduction to Literature IVCC **Grade 12** **Semester** **1 LA Credit**
(Fall Semester) This course offers students an engaging exploration of literature across multiple genres, including fiction, poetry, and drama. Through close reading and critical analysis, students will examine how authors use literary elements to express themes, reflect culture, and provoke thought. Emphasis is placed on developing interpretive skills, crafting analytical responses, and participating in thoughtful discussion. Offered through Iowa Valley Community College, LIT 105 fulfills a general education humanities requirement and provides transferable college credit.

Public Speaking IVCC **Grade 12** **Semester** **1 Elective Credit**
(Spring Semester) This course introduces students to the principles and practices of effective public communication. Emphasis is placed on speech preparation, organization, audience analysis, and delivery techniques. Students will develop confidence and clarity while presenting a variety of speeches, including informative, persuasive, and special

occasion formats. Active listening, critical thinking, and constructive peer feedback are also key components of the course. Offered through Iowa Valley Community College.

Creative Writing (Not offered 25-26)

Grades 10, 11, 12 Semester

1 LA Credit

(Fall Semester) Students will explore their ability to write creatively in short stories, poetry, and alternative prose. The exploration of self-expression will be based on looking at examples of poet laureates' work, Iowa Writer's Workshop work, and published literature. Creative writing cannot replace any semester of ELA 1, ELA 2, ELA 3 or Advanced ELA 3.

Short Stories (Not offered 25-26)

Grades 10, 11, 12 Semester

1 LA Credit

(Spring Semester) This course will cover works of short fiction. Students will read, analyze, and discuss short stories from a variety of genres and authors. Stories will be presented in written, audio, and visual formats. Students will also write original short stories. Short Stories cannot replace any semester of ELA 1, ELA 2, ELA 3 or Advanced ELA 3.

Yearbook

Grades 11-12

Year Long

2 EL Credits

Students will be fully responsible for the production of the AGWSR school yearbook. Class time will be divided between generating revenue for the yearbook, learning good photo composition techniques to apply to digital photography, and working with a state-of-the-art desktop publishing program. Class size is limited to 10 students. Interested students should contact the instructor. This is a yearlong course that can be taken twice.

Social Studies (6 Semesters Required)

One Semester of the following two World Cultures courses is required.

Geography/World Cultures I

Grades 9-11

Semester

1 SS/EL Credit

(Fall Semester) This course is offered during the first semester. The 5 geographic themes of Geography will be used in studying cultures. The first semester class will study the continents of North America, Central American, and South America. A cultural study of each continent will be in depth. All aspects of lifestyle will be covered. Projects on cultures will be part of the class study, as well as activities (entertainment, eating, etc.) will make up the study of the various cultures.

Geography/World Cultures II

Grades 9-11

Semester

1 SS/EL Credit

(Spring Semester) This course is offered during the second semester. The 5 geographic themes of Geography will be used in studying cultures. The second semester class will study the world today as a global community, and the continents of Africa, Asia, Australia, and Europe. A cultural study of each continent will be in depth. All aspects of lifestyle will be studied. Projects on cultures will be part of the class study, as well as activities (entertainment, eating, etc.) will make up the study of the various cultures.

U.S. History (REQUIRED)

Grade 10

Year Long

1 SS Credit

It covers the period of 1876 to present day America. The subject matter concerns the persons, places, and events that impacted American life and influenced the American heritage.

Government (REQUIRED)

Grade 11

Semester

1 SS Credit

(Fall Semester) The course is designed to familiarize the student with the intricate workings of government on the Federal, State, and Local levels. The course attempts to place the student in a position to see the value of government and the importance of his/her participation in it. We will study the relationship between the State-Local-Federal Government.

Economics (REQUIRED)

Grade 11

Semester

1 SS Credit

(Spring Semester) It involves the study of the fundamentals of economics at the national, state and local levels of government. This course also covers aspects of Consumer Economics. Students will be required to participate in several economics projects and one individual presentation.

Personal Finance (REQUIRED)

Grade 11-12

Semester

1 SS Credit

This course will introduce students to the world of everyday finance such as budgeting, loans, credit cards, insurance, etc. It is aimed at preparing students to enter the post secondary world with a greater understanding of the everyday finances adults face on a day-to-day basis.

One Semester of the following two World History courses is required.

World History	Grades 11-12	Semester	1 SS Credit
----------------------	---------------------	-----------------	--------------------

In this world history course, students will examine foreign policy through multiple lenses. Students will compare past and present foreign policy events and procedures. Students will also learn about government positions and the roles they play in shaping foreign policy. Through the use of primary and secondary sources, students will complete a number of daily assignments, discussion, quizzes, and tests/projects.

World History Through Film	Grades 11-12	Semester	1 SS Credit
-----------------------------------	---------------------	-----------------	--------------------

In this world history course, we will explore different periods, themes, events, and figures using film as the main source of curriculum. Students will be asked to compare/contrast aspects of course content with others, while also theorizing its importance in world history through different primary and secondary sources. We will also examine the accuracy of films with the actual events. Students will be expected to complete homework, discussions, quizzes, and tests/projects over course material.

Introduction to Behavior Sciences	Grades 10-12	Semester	1 EL Credit
--	---------------------	-----------------	--------------------

(Spring Semester) This is an elective, one semester social studies course for sophomores, juniors or seniors. The emphasis is on terminology and basic concepts of the study of sociology. Included in this class will be basic concepts such as: group influence on individual behavior, principles and processes, culture, social institutions, social class, collective behavior, and ethnic groups. **Recommended to take before Sociology through IVCC-Ellsworth. **FIRST 9 WEEKS SOCIOLOGY****

(Spring Semester) This is an elective, one semester social studies course for sophomores, juniors or seniors. The emphasis is on basic concepts, methods, and principles of the study of behavior and mental processes. **Recommended to take before Psychology through IVCC-Ellsworth. **SECOND 9 WEEKS PSYCHOLOGY****

****ADD AMERICAN CULTURES through film FOR FALL SEMESTER****

Math (6 Semesters Required)

Integrated Math 1	Grade 9	Year Long	2 MA Credits
--------------------------	----------------	------------------	---------------------

This course is the first of the 3 year integrated math sequence, presented as an alternative to the traditional algebra and geometry sequence. Course content includes connecting arithmetic to algebra, an introduction to algebra, integers, equations, graphs, descriptive statistics and an introduction to geometric concepts.

Integrated Math 2	Grade 10	Year Long	2 MA Credits
--------------------------	-----------------	------------------	---------------------

This course is the second of the 3 year integrated math sequence, presented as an alternative to the traditional algebra and geometry sequence. This is a slower paced course learning hands-on and discovery-based form of geometry. The lessons are focused on the learner discovering geometric concepts, then applying them to real-life situations. Hands-on and computer-based manipulatives will be utilized to teach the basics of the geometry concepts.

Prerequisites: Integrated Math 1

Integrated Math 3	Grades 11-12	Year Long	2 MA Credits
--------------------------	---------------------	------------------	---------------------

This course is the third of the 3 year integrated math sequence, presented as an alternative to the traditional algebra and geometry sequence. This is a slower paced course which focuses on the essential concepts of both Algebra 2 and Financial Literacy.

Prerequisites: Integrated Math 1 and Integrated Math 2

<u>Algebra 1</u>	Grades 9-10	Year Long	2 MA Credits
-------------------------	--------------------	------------------	---------------------

Algebra 1 introduces students to variables, algebraic expressions, equations, inequalities, functions, and all their multiple representations.

<u>Geometry</u>	Grades 9-10	Year Long	2 MA Credits
------------------------	--------------------	------------------	---------------------

The Geometry course is a comprehensive look at the study of geometric concepts including the basic elements of geometry, proofs, parallel and perpendicular lines, the coordinate plane, triangles, quadrilaterals, polygons, circles, trigonometry, congruence and similarity, surface area, volume and transformations.

Prerequisites: Algebra 1

<u>Algebra 2</u>	Grades 10-12	Year Long	2 MA Credits
-------------------------	---------------------	------------------	---------------------

This is a college-bound course designed for students who have completed Geometry. It gives the student the background necessary for most college programs that have math requirements. The content focuses on the more abstract levels of Algebra 1 content to strengthen those skills. There is an in depth study of linear and quadratic functions, with the introduction of several others.

Prerequisites: Algebra 1 and Geometry

<u>Pre-Calculus</u>	Grades 11-12	Semester	1 MA Credit
----------------------------	---------------------	-----------------	--------------------

(Fall Semester) This is a course that encompasses and extends topics and concepts of Algebra 2. The comprehensive content includes functions, graphs, applications, trigonometry and pre-calculus. Students will be prepared for more advanced studies of mathematics in college.

Prerequisites: Algebra 1, Geometry, and Algebra 2

<u>Calculus</u>	Grades 11-12	Semester	1 MA Credit
------------------------	---------------------	-----------------	--------------------

(Spring Semester) This is a course that covers topics that an entry level calculus course in college would cover. The course content will cover limits, derivatives, definite integrals, exponential and logarithmic functions, trigonometric functions, and techniques of integration.

Prerequisites: Algebra 1, Geometry, Algebra 2, and Pre-Calculus

<u>Financial Literacy 1</u>	Grades 11-12	Semester	1 MA Credit
------------------------------------	---------------------	-----------------	--------------------

(Fall Semester) This is a course that focuses on different types of income, recordkeeping, checking accounts, savings account, credit cards, taxes, and cash purchases. Projects, class discussions, daily homework, and assessments are all key parts of this course.

<u>Financial Literacy 2:</u>	Grades 11-12	Semester	1 MA Credit
-------------------------------------	---------------------	-----------------	--------------------

(Spring Semester) This is a course that focuses on charge accounts, loans, vehicle transportations, housing costs, different types of insurances, and investments (including bonds, stocks, mutual funds, risk & diversification, and inflation). Projects, class discussions, daily homework, and assessments are all key parts of this course.

Prerequisite: Financial Literacy 1

<u>Statistics</u>	Grades 11-12	Year Long	2 MA Credits
--------------------------	---------------------	------------------	---------------------

Statistics is a course designed to prepare students for college statistics. Topics include: making graphs on the computer; testing hypotheses; and using formulas that will solve probability, standard deviation, mean and variance. Anyone planning on going to college who has an interest in elementary education, any medical field, psychology, business or mathematics should take this course.

Prerequisites: Algebra 1, Geometry, and Algebra 2

<u>Math for Liberal Arts (DUAL ENROLLMENT):</u>	Grade 12	Semester	1 EL Credit
--	-----------------	-----------------	--------------------

(Spring Semester) An exploration of critical thinking, problem solving and decision making based on the study of various fields of mathematics. The emphasis is on understanding the usefulness of mathematics in everyday situations.

Prerequisites: All 3 HS Mathematics courses need to be successfully completed prior to enrollment.

Science (6 Semesters Required)

Physical Science (Physics Emphasis) (REQUIRED) Grade 11 for class 2029* Year Long 2 SC Credits

The course will center around the concepts of energy and motion as they pertain to speed, forces, work, machines, and the solar system.

Biology (REQUIRED) Grade 10 & (9 for the class of 2029)* Year Long 2 SC Credits

The course centers around living organisms and their relationships to each other and their environment. Topics to be covered include: Structure and function, genetics, evolution, classification, and principles of ecology.

One YEAR of the following Chemistry courses is required.

Physical Science (Chemistry Emphasis) Grade 11 & (10 for the class of 2029)* Year Long 2 SC Credits

The course focuses on the structure and interactions of matter. Unit topics include: Properties and states of matter, atomic theory, periodic table and periodic trends, chemical bonding and chemical reactions.

Chemistry Grades 11-12 Year Long 2 EL Credits

A full year college-bound science course for 11-12th graders that deals with the composition and interaction of matter. Topics include: atomic structure, electron configurations, periodic table and periodic trends, chemical formulas and bonding, molecular shape, chemical reactions and stoichiometry, acids and bases, and how chemistry is related to everyday life. Chemistry labs are held throughout the year.

Anatomy and Physiology I Grade 12 Semester 1 EL Credit

(Fall Semester) 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. Biology is a prerequisite to this course. Class Cap of 15.

Anatomy and Physiology II Grade 12 Semester 1 EL Credit

(Spring Semester) 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 1**

Physics Grade 11-12 Year Long 2 EL Credits

A full year college-bound science course for 12th graders (11th graders with instructor approval). Topics include: Kinematics, Newton's laws, vectors, two dimensional motion, gravitation, momentum, work, energy, and simple machines. Laboratory exercises are done throughout the year. It is recommended that Chemistry be taken first and students have completed Geometry.

*Updated on May 20, 2025 to align with new Science curriculum

World Language

Spanish 1

Grades 9-12

Year Long

2 EL Credits

Spanish I is a class which uses cultural story units in the target language. This includes telling stories, listening to music and reading a variety of novelas. (Prerequisite: None)

Learning targets for Spanish I:

INTERPRETIVE LISTENING - I can recognize some familiar words & phrases when I listen in Spanish.

INTERPRETIVE READING- I can recognize some familiar words & phrases when I read in Spanish.

INTERPERSONAL SPEAKING - I can ask & answer questions on very familiar topics using memorized/practiced words & phrases in Spanish.

PRESENTATIONAL WRITING - I can write lists and present information about myself and familiar topics using memorized/practiced words & phrases.

Spanish 2

Grades 10-12

Year Long

2 EL Credits

Spanish II is a class which uses cultural story units in the target language. This includes telling stories, listening to music and reading a variety of novelas. (Prerequisite: Passing grades in Sp. I)

Learning targets for Spanish II:

INTERPRETIVE LISTENING - I can understand familiar words, phrases & sentences that I hear, including some details in Spanish.

INTERPRETIVE READING- I can understand familiar words, phrases & sentences that I read, including some details in Spanish.

INTERPERSONAL SPEAKING - I can ask & answer simple questions using phrases, simple sentences, and memorized language on familiar topics.

PRESENTATIONAL WRITING - I can present basic information in writing about familiar topics related to everyday life using phrases, simple sentences, and language I have practiced in Spanish.

Spanish 3

Grades 11-12

Year Long

2 EL Credits

Spanish III is a class which uses cultural novel units in the target language. We will also study some of the grammar topics you will need if you take a college placement test. (Prerequisite: Passing grades in Sp. II)

Learning targets for Spanish III:

INTERPRETIVE LISTENING - I can understand the main idea in short, simple messages & texts on familiar topics when I listen in Spanish.

INTERPRETIVE READING - I can understand the main idea in short, simple messages & texts on familiar topics when I read in Spanish.

INTERPERSONAL SPEAKING - I can ask & answer questions in a conversation about a number of familiar topics using simple sentences in Spanish.

PRESENTATIONAL WRITING -- I can present information on most familiar topics using a series of simple sentences when I write.

Spanish 4

Grade 12

Year Long

2 EL Credits

Spanish IV is a class which uses cultural novel units in the target language. We will also study some of the grammar topics you will need if you take a college placement test. (Prerequisite: Passing grades in Sp. III)

Learning targets for Spanish IV:

INTERPRETIVE LISTENING - I can understand short, simple texts on familiar topics when I listen in Spanish

INTERPRETIVE READING - I can understand short, simple texts on familiar topics when I read in Spanish.

INTERPERSONAL SPEAKING - I can ask & answer questions in a conversation about a number of familiar topics with simple sentences in Spanish.

PRESENTATIONAL WRITING -- I can present information on most familiar topics using a series of simple sentences when I write.

Art

*All art courses are one semester.

*All art courses are primarily project-based.

*Please read course descriptions as some have prerequisites.

*Positive attitude and a willingness to practice and learn are more important than innate ability.

<u>Art Survey</u>	Grades 9-12	Semester	1 EL Credit
--------------------------	--------------------	-----------------	--------------------

(Fall) Students will complete projects based on the elements of art and principles of design, various artists, and art styles. The basics of clay, drawing, painting, color theory, design, health and safety in art, and careers in art will be covered. Art Survey is the prerequisite for most other art courses. The exceptions are Creative Photography and Contemporary Crafts.

<u>Drawing 1</u>	Grades 9-12	Semester	1 EL Credit
-------------------------	--------------------	-----------------	--------------------

(Fall Semester) Students will learn fundamental drawing techniques, and will work with a variety of drawing media including pencil, charcoal and ink. Framework for this course is based on brain theory, with periodic references to art history. Students will keep a sketchbook. This course is not based on drawing ability, but rather a willingness to practice and develop skills. **Prerequisite: Art Survey**

<u>Drawing 2</u>	Grades 9-12	Semester	1 EL Credit
-------------------------	--------------------	-----------------	--------------------

(Spring Semester) Students will learn fundamental drawing techniques, and will work with a variety of drawing media including pencil, charcoal and ink. Framework for this course is based on the tradition of breaking shapes down into components and step-by-step methods to aid drawing. Students will keep a sketchbook. This course is not based on drawing ability, but rather a willingness to practice and develop skills. Drawing 2 is not dependent on Drawing 1.
Prerequisite: Art Survey

<u>Painting 1</u>	Grades 9-12	Semester	1 EL Credit
--------------------------	--------------------	-----------------	--------------------

(Fall Semester) Students will use acrylic paint to create paintings on canvas and stretched canvas. They will learn about different brushes, painting techniques, and the properties of various types and grades of paint. Landscape, still life and abstracts will be explored. We'll take a look at various contemporary artists and styles. Most paintings are done in a step-by-step style. **Prerequisite: Art Survey**

<u>Painting 2</u>	Grades 9-12	Semester	1 EL Credit
--------------------------	--------------------	-----------------	--------------------

(Spring Semester) This course will include the same basic information as Painting 1, but students will do different paintings and look to different painters as inspiration. We will also include more work with painting mediums and what they can bring to your painting. Most paintings will be done using a step-by-step method. Painting 2 is not dependent on painting 1.
Prerequisite: Art Survey

<u>Beginning Pottery & Ceramics</u>	Grades 9-12	Semester	1 EL Credit
--	--------------------	-----------------	--------------------

Students will learn techniques for the potter's wheel, hand building, and using plaster molds. They will learn how to use glaze, underglaze and hybrid glazes. The emphasis will be on construction methods for working with clay, and creating usable pieces such as mugs and bowls. Limit of 9 **Prerequisite: Art Survey**

<u>Advanced Pottery & Ceramics</u>	Grades 9-12	Semester	1 EL Credit
---	--------------------	-----------------	--------------------

In this course the emphasis will be on learning surface decoration techniques, as well as press mold techniques. Surface decoration may include sgraffito and mishima, wax resist, slip trailing, stenciling, stamping, silkscreen, and layering glazes. Various specialty glazes and underglazes in watercolor, chalk and pencil form will also be introduced. Limit of 9 **Prerequisites: Art Survey and Beginning Pottery & Ceramics**

<u>Creative Photography</u> (Spring Semester)	Grades 9-12	Semester	1 EL Credit
---	--------------------	-----------------	--------------------

Students will learn about the development of photography, photographic composition, the traditional black and white process, and famous and contemporary photographers. Students will use photo-editing programs to develop skills in image editing and creative effect. School cameras are provided and in some cases students may also use an iphone (not Androids) No Prerequisite is required. Limit of 10

<u>Contemporary Crafts 1</u> (Fall Semester)	Grades 9-12	Semester	1 EL Credit
--	--------------------	-----------------	--------------------

Projects in this class are based on the areas of printmaking, glass and mosaic, textiles and dyes, and jewelry and metals. Projects may include tie-dye, batik, papermaking, screen print, woodcut print, stepping stones, basketry, beadwork, folk art, and others. There is no prerequisite.

<u>Contemporary Crafts 2</u> (Spring Semester)	Grades 9-12	Semester	1 EL Credit
--	--------------------	-----------------	--------------------

Projects in this class are based on the areas of textile arts, jewelry and metal arts, and printmaking arts. Projects may include coil basketry, wood burning, screenprint, mosaic, and others. There is no prerequisite.

<u>Slipcast Ceramics</u> (Fall Semester EVEN Years only)	Grades 9-12	Semester	1 EL Credit
--	--------------------	-----------------	--------------------

Students in this class will learn about and experience slipcasting. This is the process of using liquid clay in a mold to create a three dimensional piece for glazing. This piece becomes a “shaped canvas” to which ceramic glazes are applied. Students will learn about molds and casting, slips and glazes, and will focus on using various techniques to achieve the desired look for the piece. We will visit a ceramic supply house if possible.

Prerequisite: Limit 6 **Prerequisite: Art Survey and Beginning Pottery & Ceramics**

<u>Visual Arts Independent Study</u> (either semester)	Grades 11-12	Semester	1 EL Credit
---	---------------------	-----------------	--------------------

This course is reserved for students who have had Art Survey and at least two other art courses. Potential students must be self-motivated and possess a high degree of initiative. Students will create a flexible written plan of action to guide their semester activities. They will participate in designing, monitoring, and assessing their projects. Interested students should have a focus in mind, and must meet with the instructor first. Must be a junior or senior.

Music and Performing Arts

The Music Department plans a major trip every four years. In order for a student to be eligible for this trip, they must be a member of the same performing ensemble for two consecutive years including the year before the trip is scheduled and the year of the trip.

<u>Band</u>	Grades 9-12	Semester	1 EL Credit
--------------------	--------------------	-----------------	--------------------

The goal of the instrumental music program is to foster musical growth and perform a variety of quality music. Band students must be at least partially proficient on their instrument before coming into high school. Opportunities provided to students include Jazz Band, Concert Band, Pep Band, small ensembles, solos, and lessons. A certain amount of lessons are required each quarter and students should strive for achieving musical growth.

<u>Vocal</u>	Grades 9-12	Semester	1 EL Credit
---------------------	--------------------	-----------------	--------------------

Chorus is for the student who enjoys singing and participating in a variety of musical experiences. Performance opportunities include mixed chorus, All-State auditions, concert chorale, and small groups and solos for concerts and contests. Activities include concerts, NICL vocal festival, and large and small group contests. Voice lessons are required for all students.

<u>*Music Appreciation (DUAL ENROLLMENT)</u> (Offered both semesters)	Grades 11-12	Semester	1 EL Credit
---	---------------------	-----------------	--------------------

For students with no formal background in music. Includes historical information with an emphasis on developing the skills and tools of critical and appreciative listening. Covers specific musical

periods, composers, styles, instruments, and social influences. Students must meet high school proficiency scores for this college credit class. (3 college credits per semester)

Physical Education and Health

Mixed PE

Grades 9-12

Semester

1 PE Credit

In Physical Education, the student is educated by means of physical activity. The need for activity is one of the characteristics of the maturing adolescent. Their health depends, in part, upon their opportunity to engage daily in vigorous physical activity. Physical Education contributes to this need by providing a wide variety of activities which aid in the development of strength, control, skills, endurance, stamina, and coordination. Interest in lifetime activities and team sports are nurtured. In addition, these activities provide an outlet for fatigue and a means of relieving or releasing stress which sometimes results from periods of concentration on academic subjects, and also provides a means of self-expression.

The program contributes to the use of physical activities for personal development in the areas of physical fitness, motor abilities, mental abilities, and social abilities. Numerous situations in physical education can be utilized in the development of favorable group attitudes; the desirable reactions of a pupil towards other pupils and to leaders; the healthy regard for competitors and adversaries; the will to keep to the spirit as well as the letter of the rules; and the ability to be both a follower and a leader.

It is the aim of physical education to provide an opportunity for the individual to act in situations that are physically healthy, mentally stimulating, satisfying, and socially sound.

The following waiver is required to drop PE.

Please check all boxes that apply to your student:

- ☐ With the permission of the principal, my student is taking an academic class that will meet a graduation requirement that he or she would not otherwise be able to take and will be waiving a Physical Education class.
- ☐ Physical education conflicts with my student's religious beliefs pursuant to Iowa Code section 256.11(6).

Health 1 (REQUIRED)

Grade 9

Semester

1 H Credit

(Offered both semesters) This class is required for freshmen. It will introduce students to wellness and decision making. Students will explore the body's reaction to fitness, nutrition, weight management, eating disorders, care and appearance. Discover the mind mentally and emotionally, discuss self- esteem, stress, coping with loss and suicide. Conclude by learning and being educated about drugs.

Health 2

Grades 10-12

Semester

1 EL Credit

(Fall Semester) This one-semester class will review wellness and decision making. Discuss the family through reproduction, adolescence, adult, marriage, parent, abuse and violence. Communicable and noncommunicable diseases and disorders will be covered including STI's, HIV, and AIDS. An insight will be made into society and its environment, responsibilities, and wise consumer techniques. The course will include risk reduction skills and first aid.

Career and Technical Education

The student who is interested in developing skills and preparing for career readiness may elect to take a three-year sequential course plan. These courses will prepare the student for an entry-level job position and will provide the academic background for the student going into more advanced skill programs at two-year or four-year post-secondary schools. The different core of courses include the following career areas: Business, Family & Consumer Sciences, Industrial Technology or Agricultural.

FCS	
1st Semester	2nd Semester
Independent Living Foods Adv Foods (1st priority) Clothing (odd year) Housing (even year)	Independent Living Foods Family Living Child Development

Business	
1st Semester	2nd Semester
Accounting Intro to Business Work Based Learning Jr/Sr Class WBL-work Computer Science	Accounting Work Based Learning Jr/Sr Class WBL-work Computer Science

Agriculture	
1st Semester	2nd Semester
Iowa Ag Year Natural Resources Fall Plant Science 1 Fall Intro to Ag Business Fall Work Based Learning Year MOC Year	Iowa Ag Year Farm Bus Mgmt Spring Plant Science 3 Spring Plant Science 3 Spring Food Science Spring Work Based Learning Year MOC Year

Industrial Tech	
1st Semester	2nd Semester
Farm Equipment Ops* Fall Farm Equipment Ops* Fall Mech Drafting Fall Construction Trades 2 Fall Construction Trades 1 Year Welding 1* Fall Leadership* Year	Electricity* Spring Basic Woodworking Spring Advanced Welding* Spring Manufacturing Spring Car Care Spring Construction Trades 1 Year Leadership* Year

Family and Consumer Science

<u>Independent Living</u>	Grades 9-12	Semester	1 EL Credit
(Fall or Spring Semester) This semester course will prepare the student with skills needed for maintaining a home on his/her own. Students will learn skills in the areas of food and nutrition, textiles and clothing, housing, decision-making, consumerism and career readiness. Students will complete lab projects as well as participate in lecture and class discussions. Career options will be explored in the class. Students will be graded on lab work, assignments, and exams. This course is a prerequisite for upper level courses in foods and clothing.			
<u>Child Development</u>	Grades 10-12	Semester	1 EL Credit
(Spring Semester) This is a semester course offered to sophomores, juniors and seniors which will help prepare the student for either the role of parent or child care worker. Students will study the prenatal care stage through early childhood. Baby Think It Over will be assigned for overnight experience. Students will set up and successfully operate a "Play Lab" for children ages 3-5. They will also observe children at the Cougar's Den Preschool. Students will be graded on exams, book and toy projects, and other class assignments. Prerequisite: Independent Living			
<u>Clothing</u>	Grades 10-12	Semester	1 EL Credit
(ODD Fall Semester) This course is offered every other year and will be offered in 2020-21. It is a semester course for sophomores, juniors and seniors covering wardrobe planning, clothing selection and the history of clothing and fashions. Construction techniques will be used to construct at least two clothing projects and handwork projects. Clothing designs will be explored. This course is designed for the student who would like to gain more sewing experience and knowledge of the fashion industry. Prerequisite: Independent Living			
<u>Foods and Nutrition</u>	Grades 9-12	Semester	1 EL Credit
(Fall or Spring Semester) Upon completion of this semester course for freshman, sophomores, juniors and seniors, students will be able to prepare standard food products and apply basic cooking procedures. Students will study food safety and sanitation, the effect of nutrients and regional cooking. This course consists of both lab work and lecture time. Students will be graded as follows: Lab work, assignments, weekly quizzes and major exams. Major assignments will include an Independent Meal Project. Independent Living is the prerequisite for this course.			
<u>Advanced Foods</u>	Grades 10-12	Semester	1 EL Credit
(Fall Semester, Spring Semester if needed) This semester course will help to prepare a student for a possible career in the food industry and increase food knowledge for family use. Students will study food management procedures. In-depth food preparation including cultural foods and gourmet cooking will be studied. Lecture and lab competencies correlate with the culinary arts program at DMACC. Students will complete test labs on food items and be able to evaluate food products. Equipment usage and storage will be examined. Grading will be based on lab work, quizzes, and assignments. Prerequisite: Food and Nutrition			
<u>Housing</u>	Grades 10-12	Semester	1 EL Credit
(EVEN Fall Semester) This is a 2019-2020 semester course offered to sophomores, juniors and seniors who are interested in the construction and decorating of a house. Areas of studies include housing types, evaluating construction, furniture, house furnishings, household equipment, the basics of decorating and the basics of renting and buying homes and financing them. Students will be required to draw the floor plan of a house to scale and complete a plan for each room. Students seeking a career in design, architecture or Interior Design could use this. Prerequisite: Independent Living			
<u>Family Living</u>	Grade 12	Semester	1 EL Credit
(Spring Semester) This semester course is open to any senior. Students will examine the following topics: families throughout the world, communication among friends/family and the workplace, self-awareness, mate selection, marriage, economics of marriage, planned parenting, crisis within families, family agencies, aging, and death.			

Students will participate in class discussions, assignments, and examinations. Major assignments include a life event plan, book report, and panel presentation. **Prerequisite: Independent Living**

Business

Intro to Business	Grades 9-12	Semester	1 EL Credit
--------------------------	--------------------	-----------------	--------------------

(Fall Semester) This semester course lends itself to the students interested in business organization, small business management, and entrepreneurship. Students will learn the major forms of business ownership and the role each plays in the economy as well as understanding the steps of starting a new business. Students will also experience a business and marketing curriculum that is centered around a computer simulation of a convenience store and will learn and practice all the key business and marketing skills they'll need to succeed in business.

Accounting	Grades 9-12	Year Long	2 EL Credits
-------------------	--------------------	------------------	---------------------

This year-long course offers juniors and seniors the basic principles, concepts, and procedures of accounting that the student must understand if s/he expects to have a maximum opportunity when entering the world of business. Posting, journalizing, preparing worksheets, balance sheets, income statements, journals and bank statements are emphasized. A practice set is used to provide a review of units and to tie together all principles learned in a close-to-actual business practice. **Recommended if you plan to take any type of business courses in college.**

Marketing
This is a semester long course.

Entrepreneurship
This is a semester long course.

Work Based Learning MOC	Grades 11-12	Year Long	2 EL Credits
--------------------------------	---------------------	------------------	---------------------

The purpose of cooperative vocational education is to prepare students for employment. The program utilizes classroom instruction with the goal of preparing students to flourish in today's rapidly changing workplace. Classroom work will emphasize the world of work exploration, self-assessments to help plan for the future, career research while developing an individual career plan, resume creation, preparation for interviewing, workplace skills, and groundwork for joining the workforce. Students will develop problem-solving, organizational, and leadership skills as well as many other skills.

Work Experience MOC	Grade 12	Semester	2 EL Credits
----------------------------	-----------------	-----------------	---------------------

Student and teacher will work together to place the student in an internship (paid/unpaid), community service, and/or with an employer. Students may be introduced to a particular career where the student will familiarize him/herself with the skills and responsibilities of that job. Students may choose to find a job in a career field he/she is interested in pursuing after high school to further his/her skills and understanding of the field, or the student may choose to continue working at a job previously obtained to continue gaining knowledge and experience in the business world. **Prerequisite MOC**

THIS COMPUTER SCIENCE COURSE IS REQUIRED FOR THE CLASS OF 2026 AND BEYOND. IT IS
Computer Science
AVAILABLE TO ALL STUDENTS 9-12

	Grades 10-12	Semester	1 EL Credit
--	---------------------	-----------------	--------------------

(Fall and Spring Semester) This course introduces students to the foundations of computer science. The course will challenge them to create solutions to problems, work together with classmates as a team, and explore how technology impacts the world. This class also offers sophomore through Senior senior students the opportunity to experience technology integration, web development and management, STEM opportunities, and media implementation.

Note: This class is driven as a workplace environment and relies on strong project based learning interests and motivation.

Agriculture and Industrial Technology

Students are eligible for membership in FFA if they are enrolled in at least one agriculture class per year.

Iowa Agriculture

Grades 9-10

Year Long

2 EL Credits

This is a year-long introductory course on the study of Agriculture in Iowa. If you plan on being in the FFA this is where you need to start. Topics to be studied include: leadership, opportunities in the FFA, parliamentary procedure, welding, electricity, the animal industry, animal evaluation, business, small engines, and a variety of other topics. Iowa Ag Students will have an opportunity to use the lab, as well as participate in hands-on activities.

****Counts for FFA****

Mechanical Drafting

Grades 9-12

Semester

1 EL Credit

(Fall Semester) This semester course is the introductory course to the woodworking division of the Industrial Technology Department. Basic board work and hands-on drafting is emphasized. The student will cover sketching, lettering, and using drafting tools to draw multi-view drawings, pictorial drawings, and dimensions. A final project is drawn using a scale. The final 9 weeks are spent introducing the students to the Computer-Aided Drafting program.

Basic Woodworking

Grades 9-12

Semester

1 EL Credit

(Spring Semester) This semester course introduces the student to the woodworking industry. It covers project planning, safety and use of hand tools and power tools. Students build small projects including a cutting board, bowl, sign, and jewelry box during the second nine weeks of this course. **Prerequisite: Mechanical Drafting**

Natural Resources

Grades 9-12

Semester

1 EL Credit

(Fall Semester) This course will provide a basic introduction to the field of natural resources management. Natural resources include both renewable resources such as soil, forests, water, and wildlife, and nonrenewable resources such as oil, metals and minerals. Special areas of emphasis will include hunting and fishing laws and regulations and their role in management. Other special topics will include the utilization of plants in agriculture to protect our resources such as windbreaks and grassed waterways and outdoor recreation activities.

****Counts for FFA****

Leadership

Grades 10-12

Semester

1 EL Credit

(Spring and Fall Semesters) This class serves as an advanced class for students serving in a leadership role within the agriculture department. Students will put theory into action as they plan and implement activities for the agriculture department. Topics will include advanced public speaking, parliamentary procedure, business etiquette, and community service. Students enrolled in the course help guide the course of the agriculture program as a part of the program's Leadership Team. Students are often called upon to present at events and provide well organized activities for the FFA chapter.

****Counts for FFA****

Introduction to Ag Business (formerly Ag Sales)

Grades 10-12

Semester

1 EL Credit

(Odd Fall Semester) This semester-long course is a study of how agricultural products are sold and marketed to the consumer. Time will be spent on the Future Commodity markets, the Chicago Board of Trade, human relation skills, preparing a personal resume, constructing a cover letter, developing interviewing skills, preparing a marketing plan and a sales presentation, and creating an advertisement. The final project involves making a TV commercial on a product of their choice.

****Counts for FFA****

***Farm Business Management (DUAL ENROLLMENT)**

Grades 10-12

Semester

1 EL Credit

(Odd Spring Semester) College Credit AGB330. This class will be offered every other year. This semester course works with dollars and cents. Time will be spent on how to operate a successful agribusiness. Computer budgeting, cash flows, record keeping and decision making will be covered. Excellent Pre-Ag Business course.

The class is designed around a college ag business class offered at ISU and Ellsworth. Students must meet high school proficiency scores for this college credit course. (3 college credits per semester)

****Counts for FFA****

<u>Food Science</u>	Grades 10-12	Semester	1 EL Credit
----------------------------	---------------------	-----------------	--------------------

(Spring Semester) Students will examine the research, marketing, processing and packaging techniques applied to the development of food products. Learners will examine nutrient content and their chemical makeup, while applying principles of chemistry to the development of food products. They will also examine and implement food safety, sanitation, preparation, and quality assurance protocols. Government regulations and food legislation will be examined and the implications to food science and technology will be identified.

****Counts for FFA****

<u>Introduction to Animal Science</u>	Grades 10-12	Semester	1 EL Credit
--	---------------------	-----------------	--------------------

(Even Fall Semester) Cows, goats, sheep, pigs, you name it, we talk about it all in Animal Science! In this course, students will learn about the different uses for agricultural animals. Some topics we will discuss include animal by-products, livestock industries, breeds, animal husbandry, companion animals, and more.

****Counts for FFA****

<u>*Animal Science (DUAL ENROLLMENT)</u>	Grades 10-12	Semester	1 EL Credit
---	---------------------	-----------------	--------------------

(Even Spring Semester) College Credit AGS113_ This animal science class is designed to survey the animal industry. Digestion, feeding, housing and reproduction will be areas of great emphasis in many animal species. Students can expect to do some dissection and take a few short field trips. Animal species covered will be based on student interest. Students must meet high school proficiency scores for this college credit course. (3 college credits per semester) **Prerequisites: Introduction to Animal Science**

****Counts for FFA****

<u>Plant Science 1 (formerly Horticulture)</u>	Grades 10-12	Semester	1 EL Credit
---	---------------------	-----------------	--------------------

(Fall Semester) This semester course is a study of growing horticultural crops including vegetables, flowers, trees and grass. This class will grow crops in the school greenhouse and use them for identification and various experiments. Students will have an opportunity to plant flowers, vegetables, house plants and trees to take home in the spring. The course will also incorporate Agronomy, covering essential aspects of soil management, crop production, and sustainable farming practices. As part of the outdoor horticultural project in the spring, students will have the opportunity to apply their knowledge in real-world settings

****Counts for FFA****

<u>Plant Science 2 (formerly Nursery Landscape)</u>	Grades 10-12	Semester	2 EL Credits
--	---------------------	-----------------	---------------------

(Even Spring Semester) This hands-on semester course is offered for 2 class periods to allow work to be done on various projects around the community and beyond. The first nine weeks will be spent in the classroom focusing on learning how to design and maintain landscapes with the last 9 weeks being hands-on installation and maintenance of landscapes. Everyone has a lawn and turf grass will be one of the topics of discussion. Grass selection, establishment and maintenance will be included. Students will learn how to incorporate plants into the landscape. The classes focus will be on perennials, shrubs and trees. **Prerequisites: Plant Science 1**

****Counts for FFA****

<u>Plant Science 3 (formerly Advanced Horticulture)</u>	Grades 10-12	Semester	2 EL Credits
--	---------------------	-----------------	---------------------

(Odd Spring Semester) This hands on semester course is offered for 2 class periods to allow work to be done on various horticulture projects around the community and beyond. This class will also cover some Floriculture where students will immerse themselves in the art and science of cultivating and arranging flowers. From mastering floral design techniques to understanding the principles of plant care. **Prerequisites: Plant Science 1**

****Counts for FFA****

<u>Electricity</u>	Grades 10-12	Semester	1 EL Credit
---------------------------	---------------------	-----------------	--------------------

(Spring Semester) This is a hands on semester course that studies household electricity. Students will spend 9 weeks in the classroom learning how electricity is produced, transported, distributed to the consumer, and mainly how we wire a house or building. The second nine weeks of the class are in the shop. Students have the opportunity to wire many circuits you would find in a house or garage. Areas of study include safety, how energy is produced and used, the National Electric code, estimating electrical cost, service entrance panels, wiring diagrams, wire selection, electrical circuit planning, practice wiring laboratories, fuses and circuit breakers, electrical light and heat.

****Counts for FFA****

<u>Construction Trades 1</u>	Grades 10-12	Year Long	2 EL Credits
-------------------------------------	---------------------	------------------	---------------------

This is a full-year course with emphasis on Basic Woodworking skills and cabinet construction. A final project for this course will be required. Six tests will be given per semester and each student's project will be evaluated.

Prerequisites: Mechanical Drafting AND Basic Woodworking

<u>Welding 1</u>	Grades 10-12	Semester	1 EL Credit
-------------------------	---------------------	-----------------	--------------------

(Fall Semester) Students will be learning the basics of welding using Arc welding and MIG welding machines to perform various welds in the flat position and in different positions. Students will be making Butt welds, Lapp welds, Tee joints, Outside corner welds, as just a few examples. Students will also be using Oxy-acetylene torches and plasma cutters.

****Counts for FFA****

<u>Advanced Welding</u>	Grades 10-12	Semester	1 EL Credit
--------------------------------	---------------------	-----------------	--------------------

(Spring Semester) Students will be using their welding skills to build and fabricate projects during the class. Students will be able to Arc weld, MIG weld, use torches and plasma cutters, and several other machines as needed.

Prerequisites: Welding 1

****Counts for FFA****

<u>Manufacturing</u>	Grades 10-12	Semester	1 EL Credit
-----------------------------	---------------------	-----------------	--------------------

(Spring Semester) Students will be learning basic tools and techniques that are used in the manufacturing process to produce projects.

<u>Manufacturing 2 (formerly CNC/CAD)</u>	Grades 10-12	Semester	1 EL Credit
--	---------------------	-----------------	--------------------

(Spring Semester) Students will be learning basic CNC (Computer Numerical Control) programming with simulation. Students will also be using CAD (Computer Aided Design) software to design parts and projects.

<u>Small Engines</u>	Grades 10-12	Semester	1 EL Credit
-----------------------------	---------------------	-----------------	--------------------

(Even Spring Semester) Students will be learning the care and maintenance of small engines, along with the basic principles of the internal combustion engine.

<u>Car Care</u>	Grades 10-12	Semester	1 EL Credit
------------------------	---------------------	-----------------	--------------------

(Odd Spring Semester) Students will be learning the care and maintenance of their automobile. Students will be performing oil changes, tire changes, basic repairs, auto detailing, and several other tasks.

<u>Farm Equipment Operations</u>	Grades 11-12	Semester	2 EL Credits
---	---------------------	-----------------	---------------------

(Odd Fall Semester) Students will develop skills necessary to prepare farm equipment for the upcoming season applying information from the equipment's owner's manual to ensure the proper maintenance procedures are used to adjust the machine to achieve the best productivity it was designed for. During this process students will gain knowledge of common lubricants, service requirements, filters, belts, chains and implement drive systems. This class is a two credit class taught for 2 class periods in the FFA building.

****Counts for FFA****

<u>Ag Mechanics</u>	Grades 11-12	Semester	2 EL Credits
----------------------------	---------------------	-----------------	---------------------

(Even Fall Semester) Students will learn the operating principles of production equipment used on crop, livestock and residential yards in Iowa. A major focus will be on GIS systems used to operate this machinery as well as the

collection of useful data. This class is a two credit class taught for 2 class periods in the FFA building.

****Counts for FFA****

<u>Construction Trades 2</u>	Grades 11-12	Semester	1 EL Credits
(Odd Fall Semester) This is a full-year course split at semester into two different course contents. The first semester covers hand tool and power tool safety and uses, construction math, blueprints, and rigging. The second semester covers orientation of the carpentry trade, building materials, floor, wall and ceiling systems, roof framing, and windows and exterior doors. You will also have more hands on construction work with possible small projects. This full course is articulated with Ellsworth Community College and Marshalltown Community College. Prerequisites: Mechanical Drafting, Basic Woodworking, AND Construction Trades 1			

<u>Building Trades</u>	Grades 11-12	Semester	1 EL Credits
(Odd Fall Semester) Prerequisites: Mechanical Drafting, Basic Woodworking, AND Construction Trades 1			
This course focuses on the process of building structures. Students will learn about framing and finishing a structure. The class is a blend of hands on and classroom activities.			

<u>Welding Certification Program Through Ellsworth Community College</u>	Grades 12 ONLY
(On Campus in Iowa Falls every Tuesday and Thursday morning) The Manufacturing Welding Certificate and Manufacturing Welding (Construction) Certificate is a 17 credit hour program that prepares students for skills and careers in the central Iowa region. Gas metal arc welding and flux cored arc welding techniques are emphasized. Students will receive 8 high school credits to be used as electives towards graduation.	
Prerequisites: Welding 1 and Advanced Welding	

Credit Recovery

When a student fails a core class needed to meet the AGWSR High School graduation requirements they will be required to make up this credit by either repeating the course or taking an online version of the class. The student will be assigned a class period in the alternative classroom to work on the online version of the class.

Senior Year Plus/College Classes

Senior Year Plus (SYP) is a statute to ensure all high school students in Iowa have increased access to courses that have the potential to generate college credit. AGWSR High School is very fortunate to offer a strong collection of college classes to our students through a partnership with Iowa Valley Community College-Ellsworth Campus.

Student Proficiency Requirements To participate in SYP programming, students must meet the academic requirements of both the school district and postsecondary institution. At the college level, students must meet any assessment requirements of the postsecondary institution including any placement exam requirements of the institution. While Iowa community colleges are open access institutions, they usually have college placement requirements for enrollment in certain courses. At the school district level, students must demonstrate proficiency in reading (now English language arts), mathematics and science to participate in SYP programming (281 22.2(2)(1)).

Career Technical Education (CTE) Exemption Students seeking to enroll in a CTE course via concurrent enrollment are exempt from the ISASP proficiency requirements. However, the student may be required to complete an assessment administered by the eligible community college to determine the applicant's readiness to enroll in CTE coursework.

For the complete Senior Year Plus Guide please [click here](#).

Dual Enrollment Options

These classes are offered at the high school and taught by our qualified teachers. The students can earn credit towards both high school and college credit when enrolled in these classes.

Course	Course Description	HS Credit	College Credit
AGB 330 (odd spring)	Farm Business Management	1 Elective Credit	3 IVCC Credits
AGS 113 (even spring)	Survey of Animal Industry	1 Elective Credit	3 IVCC Credits
MUS 100	Music Appreciation	1 Elective Credit	3 IVCC Credits
MAT 110	Math for Liberal Arts	1 Elective Credit	3 IVCC Credits
ENG 105	Composition I	1 Elective or LA Credit	3 IVCC Credits
ENG 106	Composition II	1 Elective or LA Credit	3 IVCC Credits
SPC 112	Public Speaking	1 Elective Credit	3 IVCC Credits
LIT 101	Literature 101	1 Elective Credit	3 IVCC Credits

Contracted Courses through IVCC-Ellsworth

These classes are offered online through IVCC-Ellsworth. The class time is scheduled into the students normal school day. A student may take two online classes per semester. If a class is only offered on campus, transportation is the responsibility of the student.

Course	Course Description	HS Credit	College Credit
ANT 105	Cultural Anthropology	1 Elective Credit	3 IVCC Credits
BIO 151	Nutrition	1 Elective Credit	3 IVCC Credits
EDU 160	Human Growth and Development	1 Elective Credit	3 IVCC Credits
GEO 121	World Regional Geography	1 Elective Credit	3 IVCC Credits
PEH 110	Personal Wellness	1 Elective Credit	3 IVCC Credits
PHI 101	Introduction to Philosophy	1 Elective Credit	3 IVCC Credits
PHI 105	Introduction to Ethics	1 Elective Credit	3 IVCC Credits
PSY 111	Introduction to Psychology	1 Elective Credit	3 IVCC Credits
REL 101	Survey of World Religions	1 Elective Credit	3 IVCC Credits
SOC 110	Introduction to Sociology	1 Elective Credit	3 IVCC Credits
SPC 112	Public Speaking	1 Elective Credit	3 IVCC Credits

Classes that are on this list will be paid by the district. Students who take college classes contracted with IVCC-Ellsworth will pay a \$35 textbook fee for each class they take and the school will provide the book to the student for each class.

Minimum Core Requirements for Admission

Subject Area	Iowa State University	The University of Iowa	University of Northern Iowa
English/ Language Arts	<u>Four years</u> of English/Language Arts emphasizing writing, speaking, reading, as well as an understanding and appreciation of literature.	<u>Four years</u> , with an emphasis on the analysis and interpretation of literature, composition, and speech.	<u>Four years</u> , including one year of composition; also may include one year of speech, communication, or journalism.
Math	<u>Three years</u> , including one year each of algebra, geometry, and advanced algebra.	<u>Three years</u> , including two years of algebra and one year of geometry, for admission to the College of Liberal Arts and Sciences. Four years, including two years of algebra, one year of geometry, and one year of higher mathematics (trigonometry, analysis, or calculus), for admission to the College of Engineering.	<u>Three years</u> , including the equivalent of algebra, geometry, and advanced algebra.
Natural Science	<u>Three years</u> , including one year each from any two of the following: biology, chemistry, and physics.	<u>Three years</u> , including one year each from any two of the following: biology, chemistry, and physics for admission to the College of Liberal Arts and Sciences. Three years, including at least one year of chemistry and one year of physics, for admission to the College of Engineering.	<u>Three years</u> , including courses in general science, biology, chemistry, earth science, or physics; laboratory experience highly recommended.
Social Science	<u>Two years</u> for admission to the Colleges of Agriculture, Business, Design, Human Sciences, and Engineering. Three years for admission to the College of Liberal Arts and Sciences.	<u>Three years</u> , with U.S. history and world history recommended for admission to the College of Liberal Arts and Sciences. Two years, with U.S. history and world history recommended, for admission to the College of Engineering.	<u>Three years</u> , including courses in anthropology, economics, geography, government, history, psychology, or sociology.
Foreign Language	<u>Two years</u> of a single foreign language for admission to the College of Liberal Arts and Sciences and the College of Engineering. Foreign language courses are not required for admission to the Colleges of Agriculture, Business, Design, or Human Sciences.	<u>Two years</u> of a single foreign language.	Foreign language courses are not required for admission. However, <u>two years</u> of a foreign language in high school with a C- or above in the last term will meet the university graduation requirement.

A student also needs to have a RAI (Regents Academic Index) score of 245 for admission to the three public universities. It is calculated using class rank, GPA, ACT composite score, and the number of high school core subject classes completed. You can calculate your score here: [RAI Calculator](#) For the most updated list of approved classes see the guidance counselor.