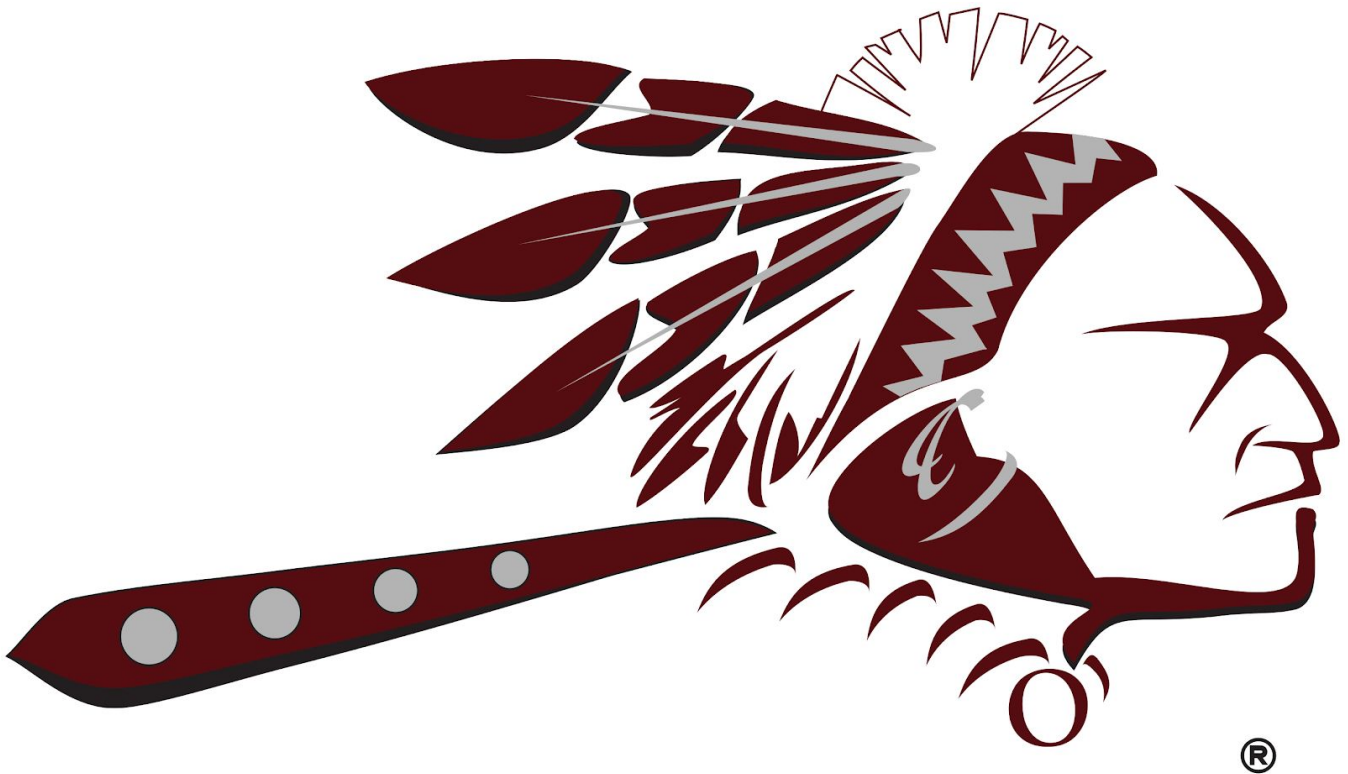


Oskaloosa High School



**Course Registration Book
2020-2021**

Graduation Requirements by Department

- - English/Language Arts - 24 credits required - -

Required courses:

English 9	6 credits
English 10-1, 10-2	4 credits
Speech	2 credits
English Composition 11	2 credits
English Literature 11	2 credits
English Composition 12	2 credits
English Literature 12	2 credits
Any English course	4 credits

- - Social Studies - 18 credits required - -

Required courses:

Government 9	4 credits
World Cultures 9	2 credits
U.S. History	6 credits
Economics	2 credits
Modern US or World History	2 credits
Government 12	2 credits

- - Math - 18 credits required - -

Required courses:

Algebra I or Self Paced Algebra I	6 credits
Geometry or Self Paced Geometry	6 credits
Algebra II	6 credits

- - Science - 18 credits required - -

Required courses:

Physical Science	6 credits
Biology or Advanced Biology	6 credits
Science elective	4 credits
Earth Science (Class of 2022 & beyond)	2 credits

- - Physical Education - 10 credits required - -

Required courses:

Physical Education 8 credits required (1 credit per trimester)
9th: 2 Trimesters 10th: 2 trimesters 11th: 2 trimesters 12th: 2 trimesters

Health 2 credits required (1 trimester during 9th grade year)

- - Vocational - 2 credits required - -

Required Course:

Financial Literacy 2 credits (1 trimester during 11th grade year)

- - Business/Technology - 2 credits required - -

Chosen from appropriate course offerings

- - Fine Arts - 2 credits required - -

Chosen from appropriate course offerings

- - Electives - 46 credits required - -

Chosen from appropriate course offerings

Required Course Work 96 credits
General Electives 46 credits
Minimum credits for graduation 142

All students must be enrolled in six (6) full credit academic classes each trimester.
Full credit is defined as a class that meets daily for a full trimester.

Transfer students must complete at least one trimester at Oskaloosa Senior High School to receive an Oskaloosa Senior High School diploma.

CONCURRENT CREDIT OPPORTUNITIES THROUGH INDIAN HILLS COMMUNITY COLLEGE

OSKALOOSA SENIOR HIGH SCHOOL CLASS	TRIMESTERS NEEDED TO EARN CONCURRENT CREDIT	INDIAN HILL COMMUNITY COLLEGE CREDITS	INDIAN HILLS COMMUNITY COLLEGE COURSE TITLE
College Algebra/ Pre Calculus CC	3	6 hours	MAT 120/MAT125
Intro to Literature CC	1	2 hours	LIT101
Principles of Agronomy CC	1	3 hours	AGA114
Survey of the Animal Industry CC	1	3 hours	AGS113
Construction Trades I CC	3	9 hours	CON276/CON450/451
Construction Trades II CC	3	9 hours	CON277, CON452/453
Composition I & II CC	2	6 hours	ENG105 and ENG106
Principles of Horticulture CC	1	3 hours	AGH 221
Calculus I CC	3	4 hours	MAT210
Accounting I CC	1	3 hours	ACC311
Foundation to Entrepreneurship CC	1	3 hours	BUS128

**Additional concurrent courses are offered through Indian Hills at our Mahaska County Career Academy in the fields of Health Occupations, Engineering & Technology, and Computer Network & Security.

Students must attend the full 12 weeks of each trimester to obtain both the concurrent credit and high school credit.

All concurrent credit classes and post secondary enrollment classes will be used in calculating the student's trimester/cumulative grade point average. OHS posts the grades as they are received from the college.

Upon successful completion (C or higher) of any of the concurrent credit courses, the college credit may be transferred to another college and/or university at the discretion of the receiving school as to how these credits will be accepted. Graduating seniors will need to request college transcripts to be sent to the receiving school in order for credits to be evaluated.

Course Descriptions

The following is a brief synopsis of each class.

College Core/Non-Core: The NCAA and many colleges look mainly at core classes for admissions, GPA and requirements. College Core consists of English, Math, Science, Social Studies and Foreign Language classes at a particular level. All of our classes in these areas that meet these requirements will have a code of college core. All other classes in these areas will be coded non-college core.

LANGUAGE ARTS COURSE DESCRIPTIONS

9th Grade students are all required to take English 9

English 9	English 9	English 9
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10th Grade students are all required to take 10-1, 10-2, and Speech in any order

English 10-1	English 10-2	Speech
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11th Grade students are all required to complete one of the three pathways. Classes within the pathways can be taken in any order.

1. Junior Literature	Fundamentals of Writing OR Written Communications	Any English course of choice
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This pathway leads to 1 Literature, 1 Composition, and any 1 additional English class of the students choice in 12th grade

2. Written Communications	Grammar for Composition	American Literature
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Successful completion of each course at a C- or better leads to the option of taking college credit Comp i/ii and/or college credit Intro to Literature.

3. AP Literature	AP Literature	AP Literature
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Successful completion of each course at a C- or better or of a score of 3 or better on the AP exam leads to the option of taking college credit Comp i/ii and/or college credit Intro to Literature.

12th Grade students are all required to complete one of the two pathways.

1. Comp I/II CC	Comp I/II CC (encouraged) or any English course of choice	Intro to Literature CC (encouraged) or any English course of choice
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2. Literature Elective Classes can be taken in any order	Composition Elective	Any English course of choice
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Composition Electives	Literature Electives	English/Language Arts Electives
Creative Writing Poetry Written Communications Fundamentals of Writing Grammar for Composition	Novels Short Stories Non-Fiction Play Reading Literary Inquiry Science Fiction Lit: To Infinity & Beyond American Literature	Publications Speech II Drama I Drama II Independent Study of Theater

ENGLISH 9: #100 (COLLEGE CORE)

GRADE 9

6 ENGLISH CREDITS

YEAR-LONG

This course is required of all freshmen. English 9 is a three-trimester course designed to provide freshmen with a variety of experiences in reading and writing.

ENGLISH 10-1: #013 (COLLEGE CORE)

Prerequisite: English 9

GRADE 10

1 ENGLISH LIT CREDIT/1 ENGLISH COMP CREDIT

ONE TRIMESTER

This course is required of all sophomores. This course is designed to provide sophomores with the experience of reading a variety of types of literature, including short stories and a novel, and to write in a variety of modes, including persuasive, expository, narrative, and descriptive.

ENGLISH 10-2: #014 (COLLEGE CORE)

Prerequisite: English 9

GRADE 10

1 ENGLISH LIT CREDIT/1 ENGLISH COMP CREDIT

ONE TRIMESTER

This course is required of all sophomores. The basic purpose is to provide sophomores both literature and composition practice. English 10-II focuses on reading and understanding poetry, reading and appreciating William Shakespeare, and writing a research paper. In this course, students will comprehend poetic terms, explore various styles of poetry, read and discuss the play *A Midsummer Night's Dream* by William Shakespeare, and write a paper that displays originality of thought and a knowledge of the research paper format.

JUNIOR LITERATURE: #119 (COLLEGE CORE)

Prerequisite: English 10-1 & 10-2, & Speech

GRADE 11

2 ENGLISH LIT CREDITS

ONE TRIMESTER

This is a junior level course designed to meet the state standards in literature. This course will include a study of poetry, one play by Shakespeare, and one play by an American dramatist.

FUNDAMENTALS OF WRITING: #103 (COLLEGE CORE)

Prerequisite: English 10-1 & 10-2

GRADE 11/12

2 ENGLISH COMP CREDITS

ONE TRIMESTER

The purpose of this course is to encourage students to improve their writing. Basic skills and fundamentals of writing will be reviewed and emphasized. Journal writing and longer forms of writing will be assigned. Description, narration, and exposition will be emphasized as methods of development.

WRITTEN COMMUNICATIONS: #104 (COLLEGE CORE)

Prerequisite: English 10-1 & 10-2

GRADE 11/12 2 ENGLISH COMP CREDITS ONE TRIMESTER

This writing course begins with distinguishing between fact and opinion. A review of basic sentence and paragraph development will also be given. This course, which concentrates on structured writing as opposed to creative writing, is designed for students with average or above English skills.

CREATIVE WRITING: #105 (COLLEGE CORE)

Prerequisite: English 10-1 & 10-2

GRADE 11/12 2 ENGLISH COMP CREDITS ONE TRIMESTER

Students will practice grammar and writing skills to create original pieces of fiction.

COMPOSITION I/II CC: #107 (COLLEGE CORE)

Prerequisites: English 10-1, 10-2, & completion of English pathway 2 or 3 with all C- or better or a score of 3 or better on AP test

GRADE 11/12 4 ENGLISH CREDITS *Indian Hills Community College Credit ENG105 (3 hrs), ENG106 (3 hrs)* TWO TRIMESTERS

This is a college level course designed for highly motivated students to improve proficiency in reading and writing. Students will analyze and interpret samples of good writing, identifying and explaining an author's use of rhetorical strategies and techniques; apply effective strategies and techniques in their own writing; create and sustain arguments based on readings, research, and/or personal experience; move effectively through the stages of the writing process with careful attention to inquiry and research.

INTRO TO LITERATURE CC: #101 (COLLEGE CORE)

Prerequisite: English 10-1, 10-2, & completion of English pathway 2 or 3 with all C- or better or a score of 3 or better on AP test

GRADE 11/12 2 ENGLISH CREDITS *Indian Hills Community College Credit LIT101 (3 hours)*, ONE TRIMESTER

This course surveys the basic literary genres. Emphasis is on analysis of fiction, poetry and drama. The student will be expected to read and think critically about literature and to be familiar with basic literary terminology.

NONFICTION: #120 (NON-CORE)

Prerequisite English 10-1 & 10-2

GRADE 11/12 2 ENGLISH LIT CREDITS ONE TRIMESTER

The course will consist of the reading and analysis of a number of essays, excerpts, and autobiographies. The ultimate purpose of this course is to critically read pieces of nonfiction and analyze their implications on self and society. This course will also help prepare students for reading, writing, and communicating in college and/or careers after high school.

NOVELS: #121 (COLLEGE CORE)

Prerequisite English 10-1 & 10-2

GRADES 11/12 2 ENGLISH LIT CREDITS ONE TRIMESTER

The course will consist of the reading and the analysis of a variety of novels chosen by the instructor. Papers analyzing characters, themes, and literary concepts will be required. Discussion will be centered around the basic literary concepts: character, plot, setting, writing techniques, and theme.

SHORT STORIES: #122 (COLLEGE CORE)

Prerequisite: English 10-1 & 10-2

GRADES 11/12 2 ENGLISH LIT CREDITS ONE TRIMESTER

Students will expand their knowledge of the short story form and writers' techniques. They will read about twenty-one short stories, view film adaptations of about ten additional stories, participate appropriately in discussion and class activities, keep a journal and use technology to complete projects and presentations.

AMERICAN LITERATURE: #123 (COLLEGE CORE)

Prerequisite: English 10-1 & 10-2

GRADES 11/12 2 ENGLISH LIT CREDITS ONE TRIMESTER

American literature has grown and changed as American history has developed. This course will include representative selections by American authors, covering various periods in history.

PLAY READING: #124 (COLLEGE CORE)

Prerequisite: English 10-1 & 10-2

GRADES 11/12 2 ENGLISH LIT CREDITS ONE TRIMESTER

This course is designed to give the student a good reading knowledge of various plays. Emphasis will be placed on a playwright's style and changes in drama through various periods in history. Some analysis of character and plot will be done.

AP LITERATURE/ADVANCED COMPOSITION: #125 (COLLEGE CORE)

Prerequisite: Successful completion of all sophomore English requirements and successful completion of the previous trimester in order to continue

GRADE 11 6 ENGLISH CREDITS YEAR-LONG

This course is designed to prepare students for their college experience by providing a challenging course of study of works of world literature from antiquity to modern time. Additionally, students will receive instruction and experience in advanced composition forms and techniques, culminating in a research paper.

This course is strongly recommended for students planning to take Composition I&II CC in their senior year.

Students will have the opportunity to take the Advanced Placement Literature exam at the end of the year and potentially earn college credit.

FUNDAMENTALS OF SPEECH #130 (COLLEGE CORE)

Prerequisite: None

GRADE 10 2 SPEECH CREDITS ONE TRIMESTER

This one trimester speech course is required of all sophomores. Students will learn through the process of giving speeches and learning to give and take constructive criticism, an important 21st Century Skill. This program is flexible and may be modified as the need arises. The program contains types of speeches that students will encounter in real life situations, as well as a project based learning activity.

SPEECH II #131 (COLLEGE CORE)

Prerequisite: SPEECH

GRADE 11/12 2 ENGLISH CREDITS ONE TRIMESTER

Designed for students who desire to verbally express their views in the complexity of the modern world, students will have opportunities to use advanced speaking skills in real world situations. Students will learn to think on their feet, analyze ideas, reason effectively, and present facts and evidence clearly.

DRAMA I #134 (NON-COLLEGE CORE)

Prerequisite: NONE

GRADE 9/10/11/12 2 ENGLISH CREDITS/FINE ARTS ONE TRIMESTER

This course is designed to provide an in-depth study of the actor's role in putting on a production. Students will acquire knowledge of how to create a character, score scripts, block scenes, and learn lines. In-depth study would include portraying various character types and blocking problems.

DRAMA II #136 (NON- CORE)

Prerequisite: DRAMA I

GRADE 11/12 2 ENGLISH CREDITS/FINE ARTS ONE TRIMESTER

All areas of theater will be explored in detail to give students the knowledge needed to direct their own plays. The class will present a group of one act plays to the community as a final project – all areas of which will be run by class members.

Students will also explore the place of theater in the social framework of its age, the producers, actors, and audience; plays from various noted eras of history; location and design of the playhouse through the ages; settings, including lighting and music; and actors and acting style of various eras.

SCIENCE FICTION LITERATURE: TO INFINITY & BEYOND #137 (NON- CORE)

Prerequisite: ENGLISH 10-1 & 10-2

GRADE 11/12 2 ENGLISH ELEC/LIT CREDITS ONE TRIMESTER

Students will examine literature in the area of science fiction in a variety of formats.

INDEPENDENT STUDY OF THE THEATRE #139 (NON- CORE)

Prerequisite: CONSENT OF INSTRUCTOR

GRADE 11/12 2 ENGLISH ELEC/FINE ARTS CREDITS ONE TRIMESTER

This course will be based on contracts written by the student and instructor at the beginning of the course. Each contract will be designed to cover the individual needs and interests of each student. Any area of theatre production, playwrights, history of the theatre, or theatre related subjects maybe included in contracts. The course will necessitate a great deal of individual work on the part of the student and will probably call for research papers and lengthy written reports on progress being made. Due to demands of the course on the individual students, it is necessary to have the instructor's consent before enrolling in the course.

LITERARY INQUIRY #140 (COLLEGE CORE)

Prerequisite: NONE

GRADE 9/10/11/12 2 ENGLISH CREDITS ONE TRIMESTER

This course is designed for students who enjoy or who want to enjoy reading, who want to expand their reading interests, who want time to read, and who are willing to read and talk about what they have read during a conference with the instructor. Grades will be based on the amount of reading, variety of genres read, and the number of conferences completed.

POETRY #142 (COLLEGE CORE)

Prerequisite: ENGLISH 10-1&10-2

GRADE 11/12 2 ENGLISH/COMP CREDITS ONE TRIMESTER

Our focus will include the careful study of successful poems, and a series of exercises that will help students write with attention to detail, craft, and attention to the process as well as the product. This introductory poetry course introduces poetic techniques that poets use to create.

PUBLICATIONS #146 (NON-CORE)

Prerequisite: Successful completion of ENGLISH 9, ENGLISH 10-1&10-2, & WRITTEN APPLICATION FORM

GRADE 11/12 2 ENGLISH CREDITS TWO OR THREE TRIMESTERS

MAY TAKE MULTIPLE YEARS

Students will demonstrate an understanding of basic yearbook fundamentals, including but not limited to: journalistic writing, photography, design, editing, marketing, and ethics. They will also put those fundamentals into practice both independently and collaboratively to produce our school's yearbook.

GRAMMAR FOR COMPOSITION #148 (NON-CORE)

Prerequisite: None

GRADE 11/12 2 ENGLISH COMP CREDITS ONE TRIMESTER

Grammar For Composition is a writing course designed as a review of the fundamental and advanced levels of grammar, usage, punctuation, and sentence structure. Students in this class will identify various parts of speech and construct a basic sentence diagram. They will also discern between phrases and clauses and recognize them in their own writing, determine punctuation based on which clause or phrase is used and its location in the sentence, and write papers that use multiple clauses and phrases.

ENGLISH SUPPORT #151 (NON-CORE)

Prerequisite: Teacher recommendation

GRADE 9/10/11/12 2 ELECTIVE CREDITS ONE TRIMESTER

A supplemental reading course for students who need additional support in reading. The course is designed to meet the needs of the students based on various assessments. Students who meet the requirements are scheduled into this course each trimester.

MATHEMATICS COURSE DESCRIPTIONS

Required	Algebra I	Geometry/ Advanced Geometry	Algebra II
Electives: Personal Math* Coding Pre-Calculus CC*	Calculus CC* Statistics *		

***Course has a prerequisite**

ALGEBRA I: #302 (COLLEGE CORE)

Prerequisite: Successful completion of Math 8

GRADE 9/10/11/12

6 MATH CREDITS

YEAR-LONG

Following Math 8, Algebra I is a core course for students planning on attending a four year college. The student will learn multiple ways to represent functions with a major emphasis on communication. Successful completion of Algebra I will enable the student to continue their study of mathematics.

ALGEBRA I +SUPPORT: #302+ (NON CORE)

Prerequisite: A student will be required to register for +Support class if they meet 3 of the the following criteria:

- A score below proficiency on math screener
 - A score in the High Risk or Some Risk range on a Math screener (FASTbridge) (8th grade)
 - Other screener TBD (9-12)
- The majority of standards in the preceding courses were not met (student did not receive a 3 or higher)
- A standard score in the Not Proficient range on the mathematics assessment of the Iowa Assessment
- Teacher recommendation

GRADE 9/10/11/12

2 ELECTIVE CREDITS

ONE TRIMESTER

Algebra I +Support is an every-other day class in addition to a student's math course. Algebra I +Support provides students with additional support for a math course that serves three purposes:

- Address below grade level skill gaps that inhibit grade level application of math concepts
- Pre-teach upcoming skills in current math course to enhance comfort level and success
- Re-teach priority standards to ensure proficiency

The classes will be no larger than 15 students. This framework allows the instructor to work with them in small groups or individual one-on-one instruction.

ALGEBRA I SELF-PACED: #302S (COLLEGE CORE)

Prerequisite: A student must meet at least three of the requirements below:

- Teacher recommendation
- All priority standards from the preceding course(s) were proficient (3).
- A score within the College Pathway aReading (FastBridge screener) in the winter and/or spring or 8th grade year
- A standard score in the upper half of proficient or higher on the mathematics assessment on the Iowa Assessment.

GRADE 9/10/11/12

6 MATH CREDITS

1 TO 3 TRIMESTERS

Algebra 1 is the foundation for high school math courses. It is the bridge from the concrete to the abstract study of mathematics. The students will simplify expressions, evaluate and solve equations and inequalities, factor polynomials, and graph linear functions. Real world applications will be an emphasis for students.

Self-paced curriculum is pre-planned and mapped out for students. Students will meet the same standards as students in full year courses, but they will have the flexibility of doing so at their own pace (they must finish in one year). Majority of instruction is given through online resources with explicit instruction being provided in large group, small groups or one-on-one based on pre-assessment data.

GEOMETRY: #305 (COLLEGE CORE)

Prerequisite: Must have completed Algebra I

GRADE 9/10/11/12

6 MATH CREDITS

YEAR-LONG

Geometry is the study of logic and reasoning applied to the Euclidean system of points, lines, planes, circles and polygons. The course will review and strengthen algebraic skills while increasing spatial visualization skills.

GEOMETRY +SUPPORT: #305+ (NON CORE)

Prerequisite: A student will be required to register for +Support class if they meet 3 of the the following criteria:

- A score below proficiency on math screener
 - A score in the High Risk or Some Risk range on a Math screener (FASTbridge) (8th grade)
 - Other screener TBD (9-12)
- The majority of standards in the preceding courses were not met (student did not receive a 3 or higher)
- A standard score in the Not Proficient range on the mathematics assessment of the Iowa Assessment
- Teacher recommendation

GRADE 9/10/11/12

2 ELECTIVE CREDITS

ONE TRIMESTER

Geometry +Support is an every-other day class in addition to a student's math course. Geometry +Support provides students with additional support for a math course that serves three purposes:

- Address below grade level skill gaps that inhibit grade level application of math concepts
- Pre-teach upcoming skills in current math course to enhance comfort level and success
- Re-teach priority standards to ensure proficiency

The classes will be no larger than 15 students. This framework allows the instructor to work with them in small groups or individual one-on-one instruction.

GEOMETRY SELF-PACED: #305S (COLLEGE CORE)

Prerequisite: A student must meet at least two of the requirements below:

- Teacher recommendation
- All priority standards from the preceding course(s) were proficient (3).
- A standard score in the upper half of proficient or higher on the mathematics assessment on the Iowa Assessment.

GRADE 9/10/11/12

6 MATH CREDITS

1 TO 3 TRIMESTERS

Self-paced curriculum is pre-planned and mapped out for students. Students will meet the same standards as students in full year courses, but they will have the flexibility of doing so at their own pace (they must finish in one year). Majority of instruction is given through online resources with explicit instruction being provided in large group, small groups or one-on-one based on pre-assessment data.

ALGEBRA II: #307 (COLLEGE CORE)

Prerequisite: Must have completed Algebra I

GRADE 9/10/11/12

6 MATH CREDITS

YEAR-LONG

Algebra II is required for admittance by Iowa's three state universities. Many private colleges also recommend the completion of this course. Algebra II is a basic course for programs of study in the sciences, engineering, computers and technology, business, and statistics. Algebra II also provides the basis for progression in the math curriculum to Pre-Calculus.

ALGEBRA II SELF-PACED: #307S (COLLEGE CORE)

Prerequisite: A student must meet at least two of the requirements below:

- Teacher recommendation
- All priority standards from the preceding course(s) were proficient (3).
- A standard score in the upper half of proficient or higher on the mathematics assessment on the Iowa Assessment.

GRADE 9/10/11/12

6 MATH CREDITS

1 TO 3 TRIMESTERS

Algebra II continues the study of functions started in Algebra I. Through the study of specific functions: linear, exponential, and polynomial, students will be able to see the structure of functions, to make generalizations about all functions, and to describe the uniqueness of specific functions. Within the study of functions, students will work with various types of real numbers, from rational and irrational to complex. Students will apply properties of numbers and properties of equality to carry out operations with different functions. The focus on transforming functions will help students build connections between the algebraic and graphical representations of functions.

Self-paced curriculum is pre-planned and mapped out for students. Students will meet the same standards as students in full year courses, but they will have the flexibility of doing so at their own pace (they must finish in one year). Majority of instruction is given through online resources with explicit instruction being provided in large group, small groups or one-on-one based on pre-assessment data.

ALGEBRA II YEAR 1: #307A (NON CORE)

Prerequisite: A student will be required to register for Algebra II (Two-Year) if they meet 3 of the the following criteria:

- They have consistently needed additional support in other math courses (attended Geometry +)
- The majority of standards in the preceding courses were not met (student did not receive a 3 or higher)
- A standard score in the Not Proficient range on the mathematics assessment of the Iowa Assessment

Teacher recommendation (Based on what supports are needed)

GRADE 10/11/12

6 MATH CREDITS

YEAR-LONG

Algebra II continues the study of functions started in Algebra I. Through the study of specific functions: linear, exponential, and polynomial, students will be able to see the structure of functions, to make generalizations about all functions, and to describe the uniqueness of specific functions. Within the study of functions, students will work with various types of real numbers, from rational and irrational to complex. Students will apply properties of numbers and properties of equality to carry out operations with different functions. The focus on transforming functions will help students build connections between the algebraic and graphical representations of functions.

ALGEBRA II YEAR 2: #307B (NON CORE)

Prerequisite: Completion of Algebra II Year I

GRADE 11/12

6 MATH CREDITS

YEAR-LONG

Algebra II continues the study of functions started in Algebra I. Through the study of specific functions: linear, exponential, and polynomial, students will be able to see the structure of functions, to make generalizations about all functions, and to describe the uniqueness of specific functions. Within the study of functions, students will work with various types of real numbers, from rational and irrational to complex. Students will apply properties of numbers and properties of equality to carry out operations with different functions. The focus on transforming functions will help students build connections between the algebraic and graphical representations of functions.

COLLEGE ALGEBRA/PRE-CALCULUS CC: #308 (COLLEGE CORE)

Prerequisite: Before enrolling in this course, a student should have a mastery of Algebra II concepts.

GRADE 11/12 6 MATH CREDITS *Indian Hills Community College Credit College Algebra (3 hours), Pre-Calculus (3 hours)*
YEAR-LONG

This course is designed to prepare students for calculus and other math-related courses needed in business or science. Topics include polynomial and rational functions and graphs, trigonometric functions and identities, and conic sections.

CALCULUS CC: #309 (COLLEGE CORE)

Prerequisite: Successful completion of Pre-Calculus or an equivalent class.

GRADE 11/12 6 MATH CREDITS *Indian Hills Community College Credit College MAT210 (4 hours)* YEAR-LONG
This course is for the student who has advanced skills in mathematics.

PROFICIENCY REQUIREMENT: Must pass Hills Alexis Test

PERSONAL MATH: #315 (NON- CORE)

Prerequisite: Algebra I

GRADE 12 2 MATH CREDITS ONE TRIMESTER

Students are facing tremendous financial challenges without the basic knowledge needed to thrive in today's economy. We will be using Foundations in Personal Finance: High School Edition to change the financial future of our students and set them on a path to win with money.

STATISTICS: #320 (CORE)

Prerequisite: Algebra I, Geometry, & Algebra II 4 MATH CREDITS TWO TRIMESTER COURSE

GRADE 12

This course is an introduction to the study of probability, interpretation of data, and fundamental statistical problem solving. The course will cover basic statistical concepts that will prepare the student to take a college-level statistics course in the future. Students will explore and analyze data by observing patterns or the absence of patterns, interpret information from graphical and tabular displays, apply appropriate statistical models to infer information from data, and learn to use technology in solving statistical problems.

CODING: #321 (CORE)

Prerequisite: NONE

GRADE 9-12 6 MATH CREDITS YEAR-LONG

Students will be introduced to the Swift programming language using an app called Swift Playground (Apple Product). Swift Playground is a drag and drop interactive programming environment which will allow students to learn how to use if/else statements, looping, functions, etc. They will learn this without the frustration of having to actually write lines of code with correct syntax. Students will complete Swift Playground during trimester one and then begin using a coding platform called Xcode.

SCIENCE COURSE DESCRIPTIONS

	Physical Science	Life Science	Earth Science
Required	Physical Science (9th or 10th) 6 credits/ Year Long	Biology (9th or 10th grade) 6 credits/Year Long OR Advanced Biology 6 credits/ Year Long	Earth Science 2 credits/ 1 trimester
Electives	*Chemistry I 6 credits/Year Long *Chemistry II 6 credits/Year Long *Physics 1 6 credits/Year Long *Physics 2 6 credits/Year Long	*Anatomy 6 credits/Year Long	Environmental Science 2 credits/1 trimester Astronomy/Meteorology 2 credits/1 trimester
Forensics 2 credits/1 trimester *PBL Science 2 credits/1 trimester			

***Course has a prerequisite**

PHYSICAL SCIENCE: #400 (COLLEGE CORE)

Prerequisite: NONE

GRADE 9

6 CREDITS

YEAR-LONG

Physical Science is an introduction to physics and chemistry. It is the study of the physical world, matter, and energy. This course is designed to teach students to develop and use problem solving and critical thinking skills so they can make decisions concerning scientific issues. Laboratory experiences are frequently used to enhance interest, understanding, and the development of scientific skills.

****NOTE:** If transfer students have successfully completed 1 year of physics and 1 year of chemistry prior to attending OHS, this will fulfill the physical science requirement for graduation. If students transfer in their junior or senior year with either chemistry or physics completed successfully, then taking and successfully completing the other course (chemistry or physics) at OHS will fulfill the physical science graduation requirement.

BIOLOGY: #415 (COLLEGE CORE)

Prerequisite: NONE

GRADE 9/10

6 CREDITS

YEAR-LONG

You may be thinking, "Biology...what's that?" Biology is one of the largest and broadest categories of science in the world today. There is a good reason for that, too. Biology literally means "The Study of Life." As you can imagine, life is a pretty huge topic to try to learn in a year. In this general biology course, you will learn the core concepts of biology. Our goal is to provide you with the knowledge and tools necessary to understand the living world around you. This course will also provide you with enough understanding of living organisms that you can confidently continue your science education if you choose to do so.

ADVANCED BIOLOGY: #420 (COLLEGE CORE)

Prerequisite: Biology or recommendation from teachers and guidance counselor

GRADE 10/11/12

6 CREDITS

YEAR-LONG

This course curriculum follows a freshman year of college. This course describes the basis of life, from molecules, cells, and genes to the function of animal systems. It also includes an exploration of the diversity of living things and the way they relate to their environment and each other. This course will include introduction to lab techniques useful in the study of biology.

This course is recommended for the student who plans to take any life sciences in college and/or pursue a career in medicine, microbiology, genetics, agriculture, or other biology-related professions.

Each trimester must be passed/completed before the student may proceed to the next trimester.

ENVIRONMENTAL SCIENCE: #425 (COLLEGE CORE)

Prerequisite: NONE

GRADE 9/10/11/12

2 SCIENCE CREDITS

ONE TRIMESTER

In this course students will explore the relationships between human activities and the environment. This course will enhance knowledge of current science issues, trends and events.

CHEMISTRY I: #430 (COLLEGE CORE)

Prerequisite: Have taken or currently taking Algebra I

GRADE 10/11/12

6 SCIENCE CREDITS

YEAR-LONG

This course is a traditional freshman level college curriculum designed to give the student a basic understanding of chemistry. Many experiments are performed by the students in this course, both quantitative thinking and scientific reasoning are emphasized. Due to the nature of this course, each trimester must be passed before a student can proceed to the next trimester.

CHEMISTRY II: #435 (COLLEGE CORE)

Prerequisite: Chemistry I

GRADE 11/12

6 SCIENCE CREDITS

YEAR-LONG

This course is a continuation of Chemistry I. It is recommended for the student who intends to take Chemistry in college and/or pursue medicine, engineering or other professional scientific careers. Many laboratory activities are performed by the students in this course. In addition of a review of many concepts covered in first year chemistry, the following topics are among those investigated in depth in this rigorous, freshman college level course.

PHYSICS: #440 (COLLEGE CORE)

Prerequisite: Must be enrolled in or completed 3rd year of math and received a C- or above in all.

GRADE 11/12

6 SCIENCE CREDITS

YEAR-LONG

This physics course is a problem solving approach to the physical nature of the universe. The student will gain an understanding of the physical laws that are fundamental to all of the sciences. Physics concepts are introduced in the context of everyday applications relevant to the student. Each topic is enhanced with demonstrations, simulations, and lab activities. Students are rarely asked to memorize details; rather, they are lead to understand and apply the basis for each major physics concept. Each trimester must be passed /completed before the student may proceed to the next trimester.

PHYSICS II: #445 (COLLEGE CORE)

Prerequisite: Physics and enrollment in or completion of Pre-Calculus

GRADE 11/12

6 SCIENCE CREDITS

YEAR-LONG

This course is a continuation of Physics. It is recommended for the student who intends to take Physics in college and/or pursue engineering, architecture or other professional scientific careers. Lab activities will be used to investigate modern physics topics. In addition to a review of the kinematic concepts covered in physics, the following topics will be investigated: waves, nuclear physics, electricity, and magnetism Each trimester must be passed/completed before the student may proceed to the next trimester.

ASTRONOMY/METEOROLOGY: #450 (COLLEGE CORE)

Prerequisite: NONE

GRADE 9/10/11/12

2 SCIENCE CREDITS

ONE TRIMESTER

This course will explore Earth's weather systems, weather maps, and forecasting. Students will demonstrate an awareness of the origin and structure of the universe.

ANATOMY: #465 (COLLEGE CORE)

Prerequisite: Must have completed biology successfully with a C+ or better

GRADE 11/12

6 SCIENCE CREDITS

YEAR-LONG

STUDENTS MAY NOT JOIN DURING THE YEAR AS THE CURRICULUM BUILDS

This course is designed for students wanting exposure to both anatomy and physiology of the human body. Anatomy will serve as an excellent introduction to body systems, college prep skills, and a student-centered exploration of how our bodies function. Students will be engaged in activities, simulations, video clips, and investigations to model or expose students to a wide range of topics.

PROBLEM BASED SCIENCE: #475 (NON- CORE)

Prerequisite: Pass both Physical Science and Biology

GRADE 11/12

2 SCIENCE CREDITS

ONE TRIMESTER

MAY TAKE UP TO THREE TRIMESTERS WITH TEACHER APPROVAL

This course is a student driven course designed to involve learners in asking questions and define problems that are relevant to students. Through investigation and collaboration students will formulate questions, make predictions, design investigations, collect and analyze data, make products and share ideas.

FORENSIC SCIENCE: #476 (COLLEGE CORE)

Prerequisite: NONE

GRADE 9/10/11/12

2 SCIENCE CREDITS

ONE TRIMESTER

This course provides the science behind forensics as well as labs and activities to reinforce the scientific concepts. Forensics integrates math, science and writing skills.

EARTH SCIENCE: #478 (COLLEGE CORE)

Prerequisite: NONE

GRADE 9/10/11/12

2 SCIENCE CREDITS

ONE TRIMESTER

Earth Science is a course designed to give students a basic understanding of Earth's structure, history, and interaction with the universe. Concepts are introduced in an activity based approach utilizing a variety of simulations and demonstrations.

SOCIAL STUDIES COURSE DESCRIPTIONS

Grade	Requirement	Length of Course	Select from
9 th	US Government 9 Geography & World Cultures	2 Trimesters 1 Trimester	US Government 9 Geography & World Cultures
10 th	US History	3 Trimesters	US History or AP US History
11 th	Social Studies Elective Economics	1 Trimester 1 Trimester	Modern US History or World History Economics
12 th	US Government	1 Trimester	US Government

Possible Electives:

- #216 Comparative Religions
- #253 Intro to Sociology
- #256 Intro to Psychology
- #257 Developmental Psychology
- #258 Abnormal Psychology

GOVERNMENT 9: #200 (COLLEGE CORE)

Prerequisite: NONE

GRADE 9 4 SOCIAL STUDIES CREDITS TWO TRIMESTERS

The purpose of this course is to make students more knowledgeable about our democratic institutions and their rights and responsibilities as American citizens. Students will become more aware of current events and how these developments relate to ourselves and others. Students will begin the process of career development and planning with consideration given toward their high school education.

GEOGRAPHY & WORLD CULTURES: #201 (COLLEGE CORE)

Prerequisite: NONE

GRADE 9 2 SOCIAL STUDIES CREDITS ONE TRIMESTER

Various areas of the world present many comparisons and contrasts. The very wealthy versus the very poor. The powerful versus the powerless. This course will explore current problems as well as the geographic, social, economic, and political features of geographic areas. It is hoped that students taking this course will improve their global awareness and appreciation of other cultures.

UNITED STATES HISTORY: #210 (COLLEGE CORE)

Prerequisite: NONE

GRADE 10 6 SOCIAL STUDIES CREDITS YEAR LONG

This course is a sophomore level course, required for graduation, which is one year in length and covers the Civil War through the year 1968, a turning point for modern America. It is designed to address the major events, ideas, and people involved in the development of the United States.

AP UNITED STATES HISTORY: #211 (COLLEGE CORE)

Prerequisite: NONE

GRADE 10

6 SOCIAL STUDIES CREDITS

YEAR LONG

This course is a sophomore level course, to take the place of US History for the motivated student. The course is one year in length and covers the pre-colonial era through the modern day America. It is designed to explore the major events and people involved in developing and expanding the United States.

ECONOMICS: #212 (COLLEGE CORE)

Prerequisite: NONE

GRADE 11

2 SOCIAL STUDIES CREDITS

ONE TRIMESTER

The class studies include analyzing economic systems, government systems and markets. In addition, students will evaluate key concepts of supply and demand and globalization.

MODERN US HISTORY: #213 (COLLEGE CORE)

Prerequisite: US History

GRADE 11,12

2 SOCIAL STUDIES CREDITS

ONE TRIMESTER

This is a junior level course, required for graduation, which is a trimester in length and covers modern America. The course begins where sophomore history ended, in 1968, and continues through the present.

COMPARATIVE RELIGIONS: #216 (COLLEGE CORE)

Prerequisite: NONE

GRADE 11,12

2 SOCIAL STUDIES CREDITS

ONE TRIMESTER

Comparative Religions is a course involving a study of major religions in the world today. The objective of the study is to compare the religions, with emphasis on their similarities and differences. The investigation will, of necessity, involve biographical research into the lives of their founders and perpetrators; historical study into their development, growth and spread; philosophical research into the ideas that shape and influence them; and their impact on the societies and individuals within their reach. Comparative Religions studies the phenomenon of a variety of religions among humankind, and the consequences of their influences. It does involve itself with psychological, moral, historical and social similarities and differences.

AMERICAN GOVERNMENT: #224 (COLLEGE CORE)

Prerequisite: NONE

GRADE 12

2 SOCIAL STUDIES CREDITS

ONE TRIMESTER

American Government is designed to give the graduating senior a comprehensive view and awareness of the heritage and institutions that are unique to the United State and that have made us for over 200 years a government "of the people, by the people, and for the people." Through lecture, discussion, auxiliary, and textbook-related assignments and readings and enrichment activities, as well as a required project, students will not only learn of how our government began and works, but how to be an effective citizen within it. Students will also have to develop policy statements on key issues that face our society and government today based on key current events and social developments.

AP AMERICAN GOVERNMENT: #225 (COLLEGE CORE)

Prerequisite: NONE

GRADE 12

6 SOCIAL STUDIES CREDITS

YEAR LONG

This course is designed to deal with the levels and aspects of the American governmental process. In addition, other types of governments around the world will be examined and compared with the U. S. structure. This course is designed to give a more in-depth look at the government history and process for highly motivated and interested students.

WORLD HISTORY: #226 (COLLEGE CORE)

Prerequisite: NONE

GRADE 11/12

2 SOCIAL STUDIES CREDITS

ONE TRIMESTER

STUDENTS MAY ELECT TO TAKE ONE, TWO, OR THREE TRIMESTERS THROUGHOUT THEIR HIGH SCHOOL CAREER

This course is designed to deal with the levels and aspects of the American governmental process. In addition, other types of governments around the world will be examined and compared with the U. S. structure. This course is designed to give a more in-depth look at the government history and process for highly motivated and interested students.

INTRODUCTION TO SOCIOLOGY: #253 (COLLEGE CORE)

Prerequisite: NONE

GRADE 11/12

2 SOCIAL STUDIES CREDITS

ONE TRIMESTER

This class introduces students to the study of human behavior in society. Why do people act the way they do? This course provides an overview of sociology, generally including topics such as social institutions and norms, socialization and social change and the relationships among individuals and groups in society. Students will study societal issues that affect teenagers.

INTRODUCTION TO PSYCHOLOGY: #256 (COLLEGE CORE)

Prerequisite: NONE

GRADE 11/12

2 ELECTIVE CREDITS

ONE TRIMESTER

Mankind is constantly seeking solutions to "why humans do what they do." Introduction to psychology will teach the theories and terminology used in psychology. This basic course will aid all students interested in higher education as it prepares students to handle college psychology. The student will be better equipped to answer the "why" of behavior after taking the course and demonstrate it through discussion, experimentation and research. The course is a basis for courses in the Human Relations - Peer Helping areas.

DEVELOPMENTAL PSYCHOLOGY: #257 (COLLEGE CORE)

Prerequisite: Intro to Psychology

GRADE 11/12

2 ELECTIVE CREDITS

ONE TRIMESTER

This course is concerned with teaching the development of the child and the adolescent and applying that knowledge to practical situations. Each student in the class is an "expert" on adolescence, but with a very limited frame of reference. By studying Developmental Psychology, one will be able to apply the theory to practice. This background material will also be useful in college work as well as in later life for non-college bound students.

ABNORMAL PSYCHOLOGY: #258 (COLLEGE CORE)

Prerequisite: Intro to Psychology

GRADE 11/12

2 ELECTIVE CREDITS

ONE TRIMESTER

The course is concerned with the study and deals with neuroses and psychoses commonly recognized by psychologists today. The illnesses will be examined as a cause and therapy. An attempt is made to remove taboos regarding this little-understood subject. The material covered is applicable to college psychology and the terms and theories learned will be basically universal. Non-college bound students will find the course beneficial.

FOREIGN LANGUAGE COURSE DESCRIPTIONS**SPANISH I: #170 (COLLEGE CORE)**

Prerequisite: Must pass each trimester in order to go on to the next

GRADE 9/10/11/12

6 ELECTIVE CREDITS

YEAR-LONG

Spanish I presents to the student general basic words and phrases, as well as the basic structure of sentences within the framework of everyday situations. The student uses Spanish from the first day of class. Hispanic culture will be studied and cultural projects may be undertaken. All four basic skills of reading, writing, listening, and speaking are emphasized.

SPANISH II: #171 (COLLEGE CORE)

Prerequisite: Spanish I or consent of instructor. Must pass each trimester in order to go on to the next
GRADES 10/11/12 6 ELECTIVE CREDITS YEAR-LONG

There is a continued emphasis on all four basic skills - reading, writing, listening and speaking. Spanish II continues the presentation of the language with study of more advanced structure and vocabulary. The study of Hispanic culture is continued.

SPANISH III: #172 (COLLEGE CORE)

Prerequisite: Spanish II or consent of instructor. Must pass each trimester in order to go on to the next
GRADES 11/12 6 ELECTIVE CREDITS YEAR-LONG

Spanish III is an intensive course in advanced grammar, composition, literature and art. An in-depth insight into the history and culture of the Hispanic world is gained. While all four skills are still emphasized, some units may work on one skill to the exclusion of others.

SPANISH IV: #173 (COLLEGE CORE)

Prerequisite: Spanish III or consent of instructor. Must pass each trimester in order to go on to the next
GRADES 12 6 ELECTIVE CREDITS YEAR-LONG

Spanish IV substantiates and further elaborates the principles of Spanish I, II and III. More advanced oral/aural comprehension will be offered. A deeper insight into the Hispanic world is gained as the student utilizes Spanish magazines, newspapers and other authentic Spanish works. While all four skills are still emphasized, some units may work on one skill to the exclusion of others.

AGRICULTURE EDUCATION COURSE DESCRIPTIONS

Intro Ag/Food/Natural Resource (AFNR)
Animal Pathway
Animal Science 1 (Survey of Animal Industry CC)
Animal Science 2
Animal Science 3
Plants Pathway
Plant Systems 1
Plant Systems 2
Plant Systems 3 (Principles of Agronomy CC)
Mechanics Pathway
Ag Mechanics 1
Ag Mechanics 2
Ag Mechanics 3
Other AG classes
Advanced SAE
Principles of Horticulture CC

Natural Resources
Ag Business Management
Products & Processing

INTRODUCTION TO AGRICULTURE/FOOD/ & NATURAL RESOURCES(AFNR): #575 (NON CORE)

Prerequisite: NONE

GRADE 9/10/11/12

2 VOCATIONAL CREDITS

ONE TRIMESTER

The AFNR course is the first course offered in the ag-ed program. This course begins students on their SAE project, introduces them to lab settings commonly used in the ag-ed program, and introduces content areas offered within the agriculture curriculum. This course is for all freshman who are starting ag classes or for sophomores and up who are taking this course while dual enrolled in another ag class as first year ag students. This class is also the first course in the 1st year ag cluster.

AG MECHANICS II(formerly AG MECHANICS): #576 (NON CORE)

Prerequisite: ANFR and Ag Mech I

GRADE 9/10/11/12

2 VOCATIONAL CREDITS

ONE TRIMESTER

Ag Mechanics will provide students with a glimpse of fields within agriculture mechanics. Students will learn precision ag skills, small gas engines, basic arc welding and mig welding skills, and basic electricity. Students will be expected to have jeans and the appropriate footwear to change into during the welding unit of the course.

ANIMAL SCIENCE II(formerly ADVANCED ANIMAL SCIENCE): #577B (NON CORE)

Prerequisite: ANFR, Intro to Animal Science, & Survey of Animal Industry(Animal Science I)

GRADE 9/10/11/12

2 VOCATIONAL CREDITS

ONE TRIMESTER

In Advanced Animal Science students will continue where Survey of the Animal Industry left off by starting with species management and continuing into animal nutrition, animal health, and concluding with animal anatomy.

ANIMAL SCIENCE III(formerly ANIMAL HUSBANDRY): #577C (NON CORE)

Prerequisite: ANFR, Survey of Animal Industry(Animal Science I), & Animal Science II

GRADE 9/10/11/12

2 VOCATIONAL CREDITS

ONE TRIMESTER

In Animal Husbandry students will learn about animal reproduction and livestock breeding management. This class will pick up where Advanced Animal Science left off and begin with reproduction then go into livestock conformation, genetics, and conclude with livestock selection. Students will learn how to read EPD's for cattle, swine, and sheep, and how to select suitable individuals to create sire lines and dam lines in order that improvements show in the offspring.

PLANT SYSTEMS 2 (formerly PLANT PRODUCTION): #579 (NON CORE)

Prerequisite: ANFR and Plant Systems I

GRADE 9/10/11/12

2 VOCATIONAL CREDITS

ONE TRIMESTER

In this course students will learn plant production skills and concepts, focus on organ functions, plant breeding and development, seed care, plant functions, and plant growth requirements.

PRODUCTS & PROCESSING: #580A (NON CORE)

Prerequisite: ANFR or concurrent enrollment

GRADE 9/10/11/12

2 VOCATIONAL CREDITS

ONE TRIMESTER

In this hands on class students will learn how animal products are transformed into various food products. Students will learn how to grade food and produce food products related to certain areas. The class will focus on dairy products, meat products, grain products, sugars, and fruits and vegetables.

PRINCIPLES OF HORTICULTURE CC: #582 (NON CORE)

Prerequisite: ANFR or concurrent enrollment

GRADE 9/10/11/12

2 VOCATIONAL CREDITS *Indian Hills Community College Credit College AGH221, also transfers to Iowa State University as Horticulture HGH221(3 hours)*

ONE TRIMESTER

In this class students will learn plant physiology, fields of study within horticulture, ornamental plant production, and greenhouse management. Students will be responsible for marketing plant sales and preparing raised bed gardens.

AGRICULTURAL BUSINESS MANAGEMENT: #583 (NON CORE)

Prerequisite: ANFR or concurrent enrollment

GRADE 9/10/11/12

2 VOCATIONAL CREDITS

ONE TRIMESTER

In ag business students will learn to read ag market reports, predict future markets and practice ag sales skills. Students will also learn about the scope of the agriculture industry and careers available in the ag industry and create written materials to help them obtain those jobs. Students will practice resume writing, filling out job applications, tax forms, cover letters and practice job interview skills.

ADVANCED SAE: #583B (NON CORE)

Prerequisite: ANFR

GRADE 10/11/12 or instructor permission

2 VOCATIONAL CREDITS

ONE TRIMESTER

In the advanced SAE course students will work to increase the rigor and quality of their SAE project by focusing on 3 key benchmarks. The first benchmark is financial literacy where students will learn more in depth financial record keeping skills such as depreciation calculations, break even analysis, budgeting, agricultural financial assistance programs, loans, and budgeting. The second benchmark will focus on job/internship preparation and performance reviews. Students will learn multiple ways of writing and critiquing resumes and cover letters, fill out job application forms, and go through at least 1 job interview, and have a minimum of 2 SAE visits where students will be evaluated and assessed on their work performance and knowledge.

The third benchmark of this course is peer mentoring and leadership. Students will be paired with agriculture education students who are in their 1st year of their SAE and provide assistance in helping those students getting their SAE started by providing motivation to those students. Students in this course will be expected to have records completed and their project at a high enough quality level that they apply for either the Iowa Degree or a proficiency award. Students in the course who may have already received these awards will be expected to keep their project at a high enough level that they may apply for the American Degree.

NATURAL RESOURCES: #584 (NON CORE)

Prerequisite: ANFR or concurrent enrollment

GRADE 9/10/11/12

2 VOCATIONAL CREDITS

ONE TRIMESTER

Looking for a class that covers one of our hottest current events? In this course, we will be covering many of the elements of our environment. Topics will revolve around activities associated with natural resources from an ecological standpoint in agriculture. What do we do to save our soil? How can we clean up our waters? How can our wildlife be maintained? Finally, how can we extend our resources for our future generations?

PRINCIPLES OF AGRONOMY CC (Plant Systems 3): #586 (NON CORE)

Prerequisite: ANFR, Plant Systems I & II

GRADE 10/11/12

2 VOCATIONAL CREDITS *Indian Hills Community College Credit College AGA114,*

also transfers to Iowa State University (3 hours)

ONE TRIMESTER

This is the final course in the plant cluster. Students will learn planting techniques on the scale of production agriculture, crop management related to diseases, insect and weed control, harvesting methods, crop storage, and contract selling of crops. Students will also learn how new technologies are improving the agronomy industry.

SURVEY OF THE ANIMAL INDUSTRY CC (Animal Science I): #587 (NON CORE)

Prerequisite: ANFR or concurrent enrollment

GRADE 11/12

2 VOCATIONAL CREDITS *Indian Hills Community College Credit College AGS113,*

also transfers to Iowa State University (3 hours)

ONE TRIMESTER

In this course students will learn about breed development, animal rights vs. animal welfare, the scope of the animal science industry, current industry practices, and technologies that are moving the Animal Science industry forward.

GRADE 9/10/11/12

2 FINE ARTS CREDITS

ONE TRIMESTER

This course will teach beginning experiences in conceiving and making in two dimensions; emphasis on interaction between work and idea, skills in art making, and common vocabulary of art. Emphasizes the organization of visual elements and principles while exploring creative thought processes through art theory, material, and techniques.

PEER ART: #621 (NON CORE)

Prerequisite: Successful Completion of one art course and application process

GRADE 9/10/11/12

2 FINE ARTS CREDITS

ONE TRIMESTER

Peer Art is a class that meets in conjunction with "Adaptive Art" which is developed for students with special needs and gives them the ability to express their creative individuality through the visual arts. Students enrolled in this class will be working as Peer Helpers, who will work one-on-one with the students with special needs creating their own works of art. This program will focus on providing an enjoyable experience for our students where they can explore their emotions, their five senses, and their range of abilities through creative steps.

LEVEL II ART COURSES

DRAWING I: #600 (NON CORE)

Prerequisite: Introduction to 2-Dimensional Art

GRADE 9/10/11/12

2 FINE ARTS CREDITS

ONE TRIMESTER

Drawing I introduces various drawing concepts, media, and processes developing perceptual and technical skills related to accurate observing and drawing.

PAINTING I: #601 (NON CORE)

Prerequisite: Introduction to 2-Dimensional Art

GRADE 9/10/11/12

2 FINE ARTS CREDITS

ONE TRIMESTER

Experience in various painting media, techniques, and color theory. Initial approach to painting, employing history, as student work with concepts, objects or models.

CERAMICS I: #603 (NON CORE)

Prerequisite: Introduction to 3-Dimensional Art

GRADE 9/10/11/12

2 FINE ARTS CREDITS

ONE TRIMESTER

Introduction to basic techniques for forming and finishing ceramic objects. Development of hand-building and wheel-throwing skills contributing to creative exploration. Assignments directed toward understanding both functional and sculptural aesthetic concerns.

GRAPHIC DESIGN I: #608 (NON CORE)

Prerequisite: Introduction to 2-Dimensional Art

GRADE 9/10/11/12

2 FINE ARTS CREDITS

ONE TRIMESTER

Introduction to design-based problem-solving through lectures, projects, and critiques. Emphases on typography, layout, and images, with extensive computer use.

MIXED MEDIA: #615 (NON CORE)

Prerequisite: Introduction to 2-Dimensional Art

GRADE 9/10/11/12

2 FINE ARTS CREDITS

ONE TRIMESTER

Integrates traditional and non-traditional art mediums to create conceptually based art. Through the cross-utilization of mediums and techniques such as fibers, painting, sculpture and collage, students will create projects that combine content, form and materials.

SCULPTURE I: #616 (NON CORE)

Prerequisite: Introduction to 3-Dimensional Art

GRADE 9/10/11/12

2 FINE ARTS CREDITS

ONE TRIMESTER

Introduction to essential methods and materials of sculpture, including modeling, carving, casting, and metal and wood fabrication techniques.

LEVEL III ART COURSES

DRAWING II: #617 (NON CORE)

Prerequisite: Drawing I

GRADE 9/10/11/12

2 FINE ARTS CREDITS

ONE TRIMESTER

Emphasizes the continuing development of essential drawing skills and perceptual abilities as drawing concepts, compositional complexity, and creativity gain importance.

PAINTING II: #618 (NON CORE)

Prerequisite: Painting I

GRADE 9/10/11/12

2 FINE ARTS CREDITS

ONE TRIMESTER

Emphasizes painting based on complex combinations of concepts, materials, techniques and processes using objects, models, and individual creativity.

CERAMICS II: #604 (NON CORE)

Prerequisite: Ceramics I

GRADE 9/10/11/12

2 FINE ARTS CREDITS

ONE TRIMESTER

Continuation of Ceramics I with further development of student's understanding of construction and firing techniques.

GRAPHIC DESIGN II: #609 (NON CORE)

Prerequisite: Graphic Design I

GRADE 9/10/11/12

2 FINE ARTS CREDITS

ONE TRIMESTER

Intensive overview of the design of identity systems (such as integrated marketing systems), including logos or symbols, letterheads, packaging, signage and other applications. Involves extensive computer use.

SCULPTURE II: #619 (NON CORE)

Prerequisite: Sculpture I

GRADE 9/10/11/12

2 FINE ARTS CREDITS

ONE TRIMESTER

Exploration of contemporary issues in sculpture through materials and processes selected by the individual. Emphasis on understanding interrelationships between specific concepts, forms, and materials.

LEVEL IV ART COURSES

ADVANCED STUDIES IN ART: #620 (NON CORE)

Prerequisite: Requires permission of Instructor, must have taken levels 1,2, and 3 in requested area of study

GRADE 12

2 FINE ARTS CREDITS

ONE TRIMESTER

Exploration of contemporary issues in sculpture through materials and processes selected by the individual. Emphasis on understanding interrelationships between specific concepts, forms, and materials.

For advanced level students only, requires permission of instructor. Includes directed study, problems, readings, directed readings, special problems and special projects. Students complete individualized plans of study that include significant one-on-one student-teacher involvement. The faculty member and student will negotiate the details of the study plan.

BUSINESS EDUCATION COURSE DESCRIPTIONS

REAL LIFE BUSINESS APPS: #511 (NON CORE)

Prerequisite: NONE

GRADE 9/10/11/12

2 VOCATIONAL/ELEC/OR TECHNOLOGY CREDITS

ONE TRIMESTER

ACCOUNTING I: #520 (NON CORE)

Prerequisite: NONE

GRADE 10/11/12

4 VOCATIONAL/ELEC CREDITS

TWO TRIMESTERS

Accounting I uses the concept of a service business to present an accounting system.

ACCOUNTING CC: #525 (NON CORE)

Prerequisite:

GRADE 10/11/12

2 VOCATIONAL/ELEC CREDITS *Indian Hills Community College Credit College*ACC311, *also transfers to Iowa State University (3 hours)*

ONE

TRIMESTER

This course is designed to provide students with hands-on accounting on the computer using the popular accounting software QuickBooks pro 2015 and will incorporate the fundamentals of accounting and how it relates to computers. Concepts and issues of financial accounting as a system of recording, classifying, summarizing, and interpreting business transactions for the purpose of preparing financial reports.

Dual Credit Accounting is a college level accounting course. The course will cover areas of accounting and the business environment, recording business transactions and completing the accounting cycle.

INTRO TO MARKETING: #526 (NON CORE)

Prerequisite: NONE

GRADE 10/11/12

2 VOCATIONAL/TECHNOLOGY CREDITS

ONE TRIMESTER

In this course students will discuss the world of marketing essentials as it relates to their world including the 4 P's (Product, Place, Price and Promotion), when it comes to the marketplace.

MARKETING & ENTREPRENEURSHIP: #527 (NON CORE)

Prerequisite: Intro to Marketing or Intro to Business

GRADE 10/11/12

2 VOCATIONAL/ELECTIVE CREDITS

ONE TRIMESTER

In this course students will explore more in depth of marketing a product and lead into small business and entrepreneurship. Students will gain insight into marketing research and business planning.

ENTREPRENEURSHIP & BUSINESS MANAGEMENT: #529 (NON CORE)

Prerequisite: Intro to Marketing or Intro to Business & Marketing & Entrepreneurship

GRADE 10/11/12

2 VOCATIONAL/ELECTIVE CREDITS

ONE TRIMESTER

In this class students will gain insight from local entrepreneurs and businesses. This course provides a foundation for students to gain skills that are necessary to successfully open and operate their own business. Students are introduced to the areas of management, marketing, as well as accounting in order to demonstrate skills required in running small businesses and the risks you undertake as a business owner.

INTRODUCTION TO BUSINESS: #504 (NON CORE)

Prerequisite: must be 10th, 11th, or 12th grade

GRADE 10/11/12

2 VOCATIONAL/ELECTIVE CREDITS

ONE TRIMESTER

Intro to Business is an introductory business course, enables students to acquire a realistic understanding of business processes and activities. Students examine fundamental economic concept, the business environment, and primary business activities. They develop an understanding of and skills in such areas as customer relations, economics, emotional intelligence, financial analysis, human resources management, information management, marketing, operations, professional development, and strategic management. Throughout the course, students are presented-ethical dilemmas and problem-solving situations for which they must apply academic and critical-thinking skills.

FOUNDATION TO ENTREPRENEURSHIP CC: #505 (NON CORE)

Prerequisite: Intro to Marketing OR Intro to Business, Marketing & Entrepreneurship, and Entrepreneurship & Business Management

GRADE 11/12

2 VOC/ELECTIVE CREDITS *Indian Hills CC Credit College BUS128, 3 hours*

ONE TRIMESTER

This course is suitable for anyone who dreams of one day becoming his/her own boss. Students will learn how to identify and evaluate opportunities, analyze feasibility, and plan to create and grow successful businesses. The course provides an overview of entrepreneurship and its importance in society and inspires students to recognize entrepreneurial characteristics within themselves. This course combines practical skills with relevant theory to prepare students to think like entrepreneurs. The primary focus is on new venture creation, with a secondary benefit of preparing students to become entrepreneurial employees within existing firms.

FAMILY AND CONSUMER SCIENCES COURSE DESCRIPTIONS

FOODS

Taking classes in the foods strand can lead to these related careers:

Chef	Consumer Educator
Caterer	Sports Nutritionist
Dietician	School Food Service Director
Food Stylist	Banquet Manager

FOODS & NUTRITION I: #530 (NON CORE)

Prerequisite: NONE

GRADE 9/10/11/12

2 VOCATIONAL CREDITS

ONE TRIMESTER

This class provides an introduction to foods and nutrition. Lab activities emphasize preparation techniques, nutrition, and consumerism for the home setting as well as culinary careers. Students will learn menu planning, safety and sanitation standards, as well as knife skills.

FOODS & NUTRITION II: #530N (NON CORE)

Prerequisite: Foods & Nutrition I

GRADE 9/10/11/12

2 VOCATIONAL CREDITS

ONE TRIMESTER

A continuation of Foods and Nutrition I, this class completes the introduction to foods and nutrition. Lab activities emphasize preparation techniques, nutrition, safety, and consumerism.

ADVANCED FOODS: #534 (NON CORE)

Prerequisite: Completion of Foods and Nutrition I & II with a grade of C or better

GRADE 9/10/11/12

2 VOCATIONAL CREDITS

ONE TRIMESTER

Advanced Foods is a lab class for the student wishing to improve and learn new methods of food preparation. The Advanced Foods class has two major emphases: 1) obtaining knowledge about restaurant operations and food science careers; 2) individualized contracted lessons in advanced cooking techniques. Students select the individualized units and work at their own pace, with a variety of kitchen partners. Each unit contains an array of opportunities such as group work, experiments and food preparation. Favorite units selected to name a few are garnishing, fancy desserts, breads, meats, entertaining, and cost control. Quantity cooking and meal service are demonstrated as small groups of students prepare and serve a meal for the entire class or selected group of individuals. A catering project is completed if desired. Field trips and guest presentations are also included. Self-motivation is important when students work independently.

INTERIOR DESIGN

Taking classes in the Interior Design Strand can lead to these careers:

Real Estate Agent	Textile Designer
Interior Designer	Furniture Buyer
Architect	Visual Merchandiser

INTERIOR DESIGN I: #531 (NON CORE)

Prerequisite: NONE

GRADE 9/10/11/12

2 VOCATIONAL/FINE ARTS CREDITS

ONE TRIMESTER

This course introduces the Interior Design process including the Elements and Principles of Design, as well as space planning, furniture arranging, and material selection. If you're a fan of HGTV and DIY Network, the designers you see on TV had their starts in classes like this.

INTERIOR DESIGN II: #535 (NON CORE)

Prerequisite: Interior Design I and Design Portfolio with a grade of C or better

GRADE 9/10/11/12 2 VOCATIONAL/FINE ARTS CREDITS ONE TRIMESTER

This course builds on the concepts covered in Interior Design I. Application of the elements and principles will be evident as students complete projects covering the topics of kitchens, bathrooms and storage.

INTERIOR DESIGN III: #536 (NON CORE)

Prerequisite: Interior Design I and Interior Design II with a grade of C or better, Design Portfolio

GRADE 9/10/11/12 2 VOCATIONAL/FINE ARTS CREDITS ONE TRIMESTER

Interior Design III is for the advanced students. Focus is on whole-house design and professional proposals. Students will work in conjunction with the Industrial Technology Students in specific phases of the completion of the Construction Trades house.

FASHION

Taking classes in the Fashion Strand can lead to these careers:

Model Machine Operator
Fashion Designer Costume Designer
Tailor Wardrobe/Color Consultant

BASIC FASHION DESIGN: #532 (NON CORE)

Prerequisite: NONE

GRADE 9/10/11/12 2 VOCATIONAL CREDITS ONE TRIMESTER

NO EXPERIENCE NECESSARY! Major emphasis during this trimester will be to learn sewing techniques. Safe operation of sewing machine, serger, and other sewing equipment is practiced. Upon completion of a packet of common sewing skills, four basic projects are constructed.

FASHION DESIGN II: #538 (NON CORE)

Prerequisite: Basic Fashion Design with a grade of C or better and SKILLS Packet

GRADE 9/10/11/12 2 VOCATIONAL CREDITS ONE TRIMESTER

Textiles and Clothing is for the emerging sewing student who would enjoy creating fashions and studying about fashion history, natural and synthetic textiles, and careers. Emphasis is on wardrobe planning for the individual as well as improving construction skills and learning new methods and techniques.

ADVANCED FASHION DESIGN: #537 (NON CORE)

Prerequisite: Basic Fashion Design I & II with a grade of C or better and SKILLS Packet

GRADE 9/10/11/12 2 VOCATIONAL CREDITS ONE TRIMESTER

This class is for the student who wants to improve skills and learn advanced sewing techniques. Emphasis is on advanced clothing construction. Tailoring is primarily a lab class. Cost of material is the students' responsibility.

CHILD DEVELOPMENT/PARENTING

Taking classes in Child Development and Parenting can lead to these careers:

Teacher Family Life Educator
Child Care Provider Child Advocate
Children's Author Parent Education Consultant

CHILD DEVELOPMENT: #539C (NON CORE)

Prerequisite: NONE

GRADE 9/10/11/12 2 VOCATIONAL CREDITS ONE TRIMESTER

This class studies the stages of development from the prenatal period through the teen years. Special attention will be given to prenatal development and care. Other course content includes the physical, intellectual, social, and emotional areas of development in children.

PARENTING: #539 (NON CORE)

Prerequisite: Child Development with a grade of C or better

GRADE 9/10/11/12

2 VOCATIONAL CREDITS

ONE TRIMESTER

The focus of this trimester course is the concerns and decisions that face parents from birth through preteens. The students will explore the developmental significance of children's relationships with parents and siblings and the factors that influence those relationships.

INDEPENDENT LIVING: #533 (NON CORE)

Prerequisite: NONE

GRADE 11/12

2 VOCATIONAL CREDITS

ONE TRIMESTER

This trimester course is designed to help prepare students for success in the years following graduation. Topics include consumerism, housing, marriage preparation, parenthood, housing options, and careers. This class builds a strong foundation of skills leading to productive, fulfilling adult lives.

COMPREHENSIVE FCS

Taking classes in Comprehensive FCS can lead to these careers:

Consumer /Test Kitchen Manager

Marketing/Product Specialist

Family Legislation Lobbyist

Public Health Consultant

Property Manager

Loan Officer

Consumer Representative

Physician's Assistant

PEER HELPING: #554 (NON CORE)

Prerequisite: File a written application with the instructor, which includes two (2) teacher recommendations.

GRADE 11/12

2 ELECTIVE CREDITS

ONE TRIMESTER

Students desiring to take this class should have a minimum

number of absences, tardies, and detentions. The Peer Helping course is designed to develop helping/counseling skills and behaviors that make it easier for a student to participate actively in solving problems. The course is designed to train secondary students to interact with and help their peers and other young people.

PEOPLE HELPING LAB: #555 (NON CORE)

Prerequisite: Peer Helping and file a written application with the instructor, which includes 1 teacher recommendation.

GRADE 11/12

4 ELECTIVE CREDITS

TWO TRIMESTERS

Up to three trimesters may be approved

People Helping Lab is an independent, individual approach to a project growing out of Peer Helping under the supervision of the Peer Coordinator. Because of the demands put upon a student as a helper, people interested in taking this course should display a record of few tardies, absences, and detentions.

INDUSTRIAL TECHNOLOGY COURSE DESCRIPTIONS

WOOD TECHNOLOGY: #540 (NON CORE)

Prerequisite: NONE

GRADE 9/10/11/12

2 VOCATIONAL CREDITS

ONE TRIMESTER

This course is designed to introduce students to the woodworking shop. Students will build projects using the tools in the shop and learn proper safety procedures for each. Each student will also be required to construct assigned and personal projects.

STUDENT IS RESPONSIBLE FOR MATERIAL COST \$10.00

CABINET MAKING: #542 (NON CORE)

Prerequisite: Wood Technology with a C or better

(May be taken for up to 3 trimesters—C or better to enroll in additional trimesters)

GRADE 9/10/11/12

2 VOCATIONAL CREDITS

ONE TRIMESTER

This course is designed to introduce students to methods of furniture and cabinet making. Students will be required to build a wood project from plans they have either chosen or created.

STUDENT IS RESPONSIBLE FOR MATERIAL COST FROM \$15.00 AND UP.

CONSTRUCTION TECHNOLOGY I CC: #276 (NON CORE)

Prerequisite: Wood Technology & File a written application with the instructor

GRADE 10/11/12 2 VOCATIONAL CREDITS/Indian Hills Community College 3 hours CON276 ONE TRIMESTER

This course is designed for the student interested in construction, either as a career or for personal interest. Students will work together in teams and individually. Students have gone into construction management, carpentry, electrical, plumbing, architecture, interior design and owning their own business.

This course is designed to introduce students to the fundamental vocabulary, terms, and concepts to begin a career in carpentry. Beginning with tools and plan reading, this course will then study framing fundamentals with some attention given to concrete and reinforcement, fasteners, adhesives and engineering products.

CONSTRUCTION LAB 1A CC: #450 (NON CORE)

Prerequisite: Wood Technology & File a written application with the instructor,

GRADE 10/11/12 2 VOCATIONAL CREDITS/Indian Hill Community College 3 hours CON450 ONE TRIMESTER

This course is designed for the student interested in construction, either as a career or for personal interest. Students will work together in teams and individually. Students have gone into construction management, carpentry, electrical, plumbing, architecture, interior design and owning their own business.

Students will apply knowledge gained in classroom studies to practical applications on a construction project. Daily participation using hand and power tools and personal safety equipment will be required.

CONSTRUCTION LAB IB CC: #451 (NON CORE)

Prerequisite: Wood Technology & File a written application with the instructor,

GRADE 10/11/12 2 VOCATIONAL CREDITS/Indian Hill Community College 3 hours CON451 ONE TRIMESTER

This course is designed for the student interested in construction, either as a career or for personal interest. Students will work together in teams and individually. Students have gone into construction management, carpentry, electrical, plumbing, architecture, interior design and owning their own business.

Students will apply knowledge gained in classroom studies to practical applications on a construction project. Daily participation using hand and power tools and personal safety equipment will be required.

CONSTRUCTION TECHNOLOGY II CC: # 277 (NON CORE)

Prerequisite: Successful completion of Construction Trades I and approval of instructor

GRADE 11/12 2 VOCATIONAL CREDITS/Indian Hill Community College 3 hours CON277 ONE TRIMESTER

This is a continuation of Construction Trades I. This course is designed to familiarize students with fundamental vocabulary terms and concepts to begin a career in carpentry. This course covers the principles of wall and ceiling framing, roof framing and basic stair construction. Installation and design factors for windows and doors will also be studied.

CONSTRUCTION LAB IIA CC: # 452 (NON CORE)

Prerequisite: Successful completion of Construction Trades I and approval of instructor

GRADE 11/12 2 VOCATIONAL CREDITS/Indian Hill Community College 3 hours CON452 ONE TRIMESTER

This is a continuation of Construction Trades I. Students will apply knowledge gained in classroom studies to practical applications on a construction project. Daily participation using hand and power tools and personal safety equipment will be required.

CONSTRUCTION LAB IIB CC: #453 (NON CORE)

Prerequisite: Successful completion of Construction Trades I and approval of instructor

GRADE 11/12 2 VOCATIONAL CREDITS/Indian Hill Community College 3 hours CON453 ONE TRIMESTER

This is a continuation of Construction Trades I. Students will apply knowledge gained in classroom studies to practical applications on a construction project. Daily participation using hand and power tools and personal safety equipment will be required.

MATERIAL PROCESSING: #548 (NON CORE)

Prerequisite: Wood Technology

GRADE 9/10/11/12 2 VOCATIONAL CREDITS ONE TRIMESTER

This class is designed for students who are interested in manufacturing and the processing of different materials. The class will be a combination of written work and hands-on activities. The students will be required to complete a personal project in the areas of acrylics, polyester, resin, foundry, sheet metals.

STUDENT IS RESPONSIBLE FOR MATERIAL COST \$20.00

STUDENT WILL BE REQUIRED TO WEAR SAFETY GLASSES PROVIDED BY THE SCHOOL.

MECHANICAL DRAFTING: #572 (NON CORE)

Prerequisite: NONE, Must pass each trimester in order to go on to the next

GRADE 9/10/11/12 6 VOCATIONAL CREDITS YEAR LONG

This year-long course is designed to familiarize the student with the common drafting instruments and most of the different areas of drafting. Use Auto CAD to draw in 2D and Inventor in 3D formats.

MACHINE DRAFTING: #573 (NON CORE)

Prerequisite: Mechanical Drafting, Must pass each trimester in order to go on to the next

GRADE 10/11/12 6 VOCATIONAL CREDITS YEAR LONG

This course includes many of the areas covered in Mechanical Drafting, but in more detail. In addition, several new areas of drafting are introduced.

ARCHITECTURAL DRAFTING: #574 (NON CORE)

Prerequisite: NONE

GRADE 10/11/12 6 VOCATIONAL CREDITS YEAR LONG

In this course, the student will draft a complete set of plans for a house of his or her choice. The set of plans will include at a minimum: all floor plans, elevations, a plot plan and perspectives. After this project is completed (will take approximately 20 weeks) the student will have a choice of drafting another set of house plans, or designing a commercial building, or building a scale model of a house.

PROJECT LEAD THE WAY

INTRO TO ENGINEERING: #595 (NON CORE)

Prerequisite: NONE

GRADE 9/10/11/12 6 VOCATIONAL CREDITS YEAR LONG

In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. This course is designed for 9th or 10th grade students. The major focus of IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation.

PRINCIPLES OF ENGINEERING: #596 (NON CORE)

Prerequisite: NONE

GRADE 10/11/12 6 VOCATIONAL CREDITS YEAR LONG

This survey course of engineering exposes students to some of the major concepts they'll encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community.

DIGITAL ELECTRONICS: #597 (NON CORE)

Prerequisite: NONE

GRADE 10/11/12

6 VOCATIONAL CREDITS

YEAR LONG

This course covers the theory and operation of semiconductor logic families and their circuits. Topics include binary numbers, logic gates, Boolean algebra, combinational circuit design techniques, flip-flops, registers, counters, algorithmic state machines, microprocessors and interfacing. Laboratory exercises allow the student to design, implement and test a wide range of digital circuits using standard logic families and programmable logic devices. This course may be taken as part of the Project Lead The Way sequence of courses.

CIVIL ENGINEERING & ARCHITECTURE: #598 (NON CORE)

Prerequisite: NONE

GRADE 10/11/12

6 VOCATIONAL CREDITS

YEAR LONG

Civil Engineering and Architecture (CEA) is a high school level specialization course in the PLTW Engineering Program. In CEA students are introduced to important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will develop skill in engineering calculations, technical representation and documentation of design solutions according to accepted technical standards, and use of current 3D architectural design and modeling software to represent and communicate solutions.

MUSIC COURSE DESCRIPTIONS

CONCERT CHOIR: #610 (NON CORE)

Prerequisite: NONE

GRADE 9/10/11/12

6 FINE ARTS CREDITS

YEAR LONG

This can be taken for one trimester with instructor's consent

This is a choir that performs concert chorale music both a-capella and accompanied. This is an unauditioned group. Students do not need have a background in performing in a musical ensemble. However, prior musical knowledge would lead to a better experience in the class. Students in Concert Choir will be focused on gaining a foundation to be successful in singing with a music ensemble.

Students will participate in a minimum of 1 concert per trimester. Participation in all listed events is required. Students may also opt to participate as a "Madrigal Singer" during our annual Madrigal performances. Students may also opt to sing a solo for state solo/ensemble contest.

A weekly lesson with the instructor is also a requirement for this class.

CHAMBER CHOIR: #610V (NON CORE)

Prerequisite: Audition with consent of instructor (Individual trimesters may be taken with instructor's consent)

GRADE 9/10/11/12

6 FINE ARTS CREDITS

YEAR LONG

This is a choir that performs collegiate level material both accompanied and a-capella. Students in this auditioned group must have a solid foundation of how to read and express music in order to participate in this group.

Students will learn performance characteristics of a wide variety of music and will enable them to perform in various collegiate level choirs once they leave high school.

Student will perform at a large number of events throughout the year which include, but are not excluded to national anthem at school events, All-State tryouts, opening and performing with touring groups booked through the George Daily Auditorium, performances at Madrigal Dinners, solo/ensemble contest, and Large Group Contest.

Students may also opt to participate as a "Madrigal Singer" during our annual Madrigal performances. Students may also opt to sing a solo for state solo/ensemble contest.

A weekly lesson with the instructor is also a requirement for this class.

BAND: #611 (NON CORE)

Prerequisite: NONE

GRADE 9/10/11/12

6 FINE ARTS CREDITS

YEAR LONG

Band is a course designed to provide learning experiences in marching band, concert band, small ensembles, solos, and includes the opportunity to participate in full orchestra. The course will include various field, concert, and recital performances. Available to the students will be extra opportunities, which include Jazz Band and Pep Band.

Marching Band, Concert Band, Pep Band, Solo/Small Ensembles and the extra-curricular offering of Jazz Band (meet at 7:00-8:00 AM on M-W-F from November to mid-April)

Students will be responsible for their own instrument, either through owning or rental, and cleanliness of the band uniform.

Each student is responsible for a **\$30 uniform rental fee.**

\$40 per year to cover costs of annual maintenance to school-owned instruments/equipment.

BAND/ORCHESTRA: #6110 (NON CORE)

Prerequisite: NONE

GRADE 9/10/11/12

6 FINE ARTS CREDITS

YEAR LONG

This is for the student that is in both Band and Orchestra. The student would meet every other day or at the instructor's discretion.

ORCHESTRA: #612 (NON CORE)

Prerequisite: Consent of instructor

GRADE 9/10/11/12

6 FINE ARTS CREDITS

YEAR LONG

Orchestra provides the opportunity for string players to play in a performing ensemble, in small groups, or individual solo literature. A variety of string orchestra and full symphonic orchestra literature is covered. Various concerts are given during the school year, as well as participation in area festivals and other musical events. Individual weekly technique lessons are part of the course.

Students will be responsible for their own instrument either through owning or rental.

MUSIC THEORY PSEO: #622 (NON CORE)

Prerequisite: Consent of instructor

GRADE 11/12

6 FINE ARTS CREDITS

ONE SEMESTER

THIS COURSE IS TAKEN ON WILLIAM PENN'S CAMPUS

This course will cover basic theory, music notation, ear training, harmony, and develop improvisational skills through the use of listening materials, study of theoretical concepts and "hands-on" experience. Students will be at different skill development in this course, therefore; course content for each student will reflect their individual needs and skills.

PHYSICAL EDUCATION COURSE DESCRIPTIONS

HEALTH/CPR: #640 (NON CORE)

Prerequisite: NONE

GRADE 9

2 HEALTH CREDITS

ONE TRIMESTER

The Health Education class will provide the tools needed to achieve and maintain total well being so a person can live a long and productive life. The students are also trained in CPR by a certified instructor during this time.

SPORTS NUTRITION: #647 (NON CORE)

Prerequisite: Health

GRADE 10/11/12 1 PE/1 ELECTIVE CREDIT FOR A TOTAL OF 2 CREDITS ONE TRIMESTER

This course is designed to provide you with an understanding of the principles of sports nutrition. It will also give you an overview of nutrient use in exercise and nutrition strategies to improve exercise performance. You will be required to examine the role of nutrition for the sports participant in terms of maintaining overall health. There will also be an exercise component that will increase physical competence in 10 fitness domains: Cardiovascular and Respiratory Endurance, Stamina, Strength, Flexibility, Power, Speed, Coordination, Agility, Balance, and Accuracy.

You will also be required to complete various workouts that will increase your physical competence and skills in 10 fitness domains

TOTAL FITNESS: #640A (NON CORE)

Prerequisite: NONE

GRADE 9/10/11/12 1 PE CREDIT ONE TRIMESTER

The course will promote fitness through fitness activities including fitness videos, low & high impact circuit training and utilizing the LOFT. Students will also be participating in a Yoga unit. Students will be experiencing basic concepts of the major components of fitness.

GAMES: #640B (NON CORE)

Prerequisite: NONE

GRADE 9/10/11/12 1 PE CREDIT ONE TRIMESTER

This course will promote health-related fitness through lifetime team and rec games/sports. Activities could include: Basketball, pickleball, badminton, rookie rugby, flag football, backyard games, gold, slow pitch softball, ultimate frisbee/frisbee golf, bowling, tennis, volleyball, tchoukball, ping pong, etc.

WALKING: #640C (NON CORE)

Prerequisite: NONE

GRADE 9/10/11/12 1 PE CREDIT ONE TRIMESTER

This course will promote cardiovascular fitness through walking along with increasing knowledge of training methods so that students may improve fitness levels and promote lifetime fitness all while tracking their progress. Students will learn the benefits of fitness tracker apps and utilize the technology in class.

STRENGTH TRAINING LAB: #646A (NON CORE)

Prerequisite: NONE

GRADE 9/10/11/12 1 PE CREDIT ONE TRIMESTER

This course is the first requirement to be taken towards getting into the Advanced Strength Training Class. The content of the course includes basic resistance training techniques, weight training practices and safety procedures in the weight room. Students will learn a variety of lifting techniques, movements and training principles for developing the 10 skill-related components of physical fitness (Cardiovascular and Respiratory Endurance, Stamina, Strength, Flexibility, Power, Speed, Coordination, Agility, Balance, and Accuracy.) the goal of this class is to improve personal performance and overall physical fitness. Students will be expected to assess and demonstrate multiple skills and abilities throughout the trimester (Squat, Hinge, Press.)

ADVANCED STRENGTH TRAINING LAB: #646B (NON CORE)

Prerequisite: Strength Training Lab or previous year multi-sport athlete

GRADE 9/10/11/12 1 PE CREDIT ONE TRIMESTER

This course is for highly motivated students who wish to apply fitness development principles to strength and weight training applications by creating personalized workouts. Students will study and engage in multiple strength and conditioning skills that are designed to achieve specific developmental goals built off the 10 fitness domains (Cardiovascular and Respiratory Endurance, Stamina, Strength, Flexibility, Power, Speed, Coordination, Agility, Balance, and Accuracy.)

Adaptive Physical Education:

COMPUTER ESSENTIALS: #CSC105

1 VOCATIONAL CREDIT

ONE TRIMESTER

The basics of the Windows operating system, electronic communications and Internet research will be covered. Students will use basic features of word processing and presentation software. This course is intended for students with limited computer skills.

NURSING ESSENTIALS: #PNN147

3 VOCATIONAL CREDITS

ONE TRIMESTER

This course introduces the essential scientific knowledge, technical skills and communication techniques, as specified by OBRA, to function as an accountable member of the healthcare team. Theory, laboratory practice and clinical experience will be incorporated to prepare the student to address the biopsychosocial and spiritual needs of patients.

HUMAN ANATOMY: #BIO175

3 VOCATIONAL CREDITS

ONE TRIMESTER

This course covers basic concepts in human anatomical structure in relation to simple body functions. All body systems are covered with emphasis on structure. This course is for students interested in pursuing health or science programs. To succeed in this course, a student should have a strong background in biology.

HUMAN ANATOMY LAB: #BIO176

1 VOCATIONAL CREDIT

ONE TRIMESTER

Anatomy lab covers the lecture topics through the use of models, computer simulations and diagrams to confirm anatomical structure of tissues, bones and muscles. Prerequisite: BIO175 Human Anatomy or may be taken concurrently.

NUTRITION: #PNN265

3 VOCATIONAL CREDITS

ONE TRIMESTER

This course surveys normal nutritional needs of individuals throughout the lifespan. Emphasis is placed on identifying the various nutrients and their functions for the maintenance or restoration of health. The protection and preservation of food and community nutritional needs are discussed. Dietary modifications related to specific diseases are introduced.

NUTRITION FOR HEALTHCARE: #DTM100

This course examines the basic concepts and science of nutrition for foodservice professionals. Students will learn to use nutritional principles to evaluate and modify menus and recipes, and to accommodate basic dietary needs.

LIFECYCLE NUTRITION: #DTM202

This course examines nutrition throughout the lifecycle including growth, development, and normal functioning through each stage of life, in addition to age related nutrition ailments.

INTRODUCTION TO PSYCHOLOGY: #PSY111

3 VOCATIONAL CREDITS

ONE TRIMESTER

This course provides a broad introduction to the principles of contemporary psychology. The course is based on providing the student with an understanding of the theoretical foundations of psychology, as well as a survey of empirical research dealing with behavior and mental processes.

PHARMACOLOGY: #PNN231

3 VOCATIONAL CREDITS

ONE TRIMESTER

This course is designed to provide the student with information essential to planning care for patients receiving medication therapy. Common medications affecting the body systems will be introduced. Principles of basic mathematics used in the calculation of drug dosages will be integrated.

The student is responsible to pay the fees for the Certified Nursing Exam, the high school does not pay for the exam.

MENTAL HEALTH NURSING: #PNN401

1 VOCATIONAL CREDIT

ONE TRIMESTER

This course introduces basic nursing theory related to the psychological aspects of illness. The concepts of mental health and emotional illness are examined. The role of the nurse in caring for clients with alterations in mental health is discussed.

Prerequisites: PNN501 Nursing of Adults I and PSY111 Introduction to Psychology.

NURSING ESSENTIALS II: #PNN148

2 VOCATIONAL CREDITS

ONE TRIMESTER

This course introduces basic assessment principles and techniques and explains documentation procedures. The concept of surgical asepsis and the procedures requiring sterile technique are discussed. Protocol for medication administration is examined. The student will have the opportunity to gain skill in advanced nursing procedures requiring sterile technique. Prerequisite: PNN147 Nursing Essentials I.

HUMAN PHYSIOLOGY: #BIO178

3 VOCATIONAL CREDITS

ONE TRIMESTER

This course offers a detailed look into the physiology of the nervous, respiratory, digestive, circulatory, urinary, reproductive and endocrine systems. This course is designed for the health occupations major. Prerequisite: BIO 175 Human Anatomy.

HUMAN PHYSIOLOGY LAB: #BIO178

1 VOCATIONAL CREDIT

ONE TRIMESTER

Physiology Lab covers the lecture topics emphasizing the visual and simulated physiology of body systems and their accompanying organ anatomy. Prerequisite: BIO178 Human Physiology or may be taken concurrently.

PATHOPHYSIOLOGY: #HSC212

The nature, cause, and treatment of disease are the focus of pathophysiology. The characteristics and etiology of diseases are presented using appropriate medical terminology to help students understand the relationship between clinical signs and disease processes.

NURSING OF ADULTS 1A: #PNN502

1.5 VOCATIONAL CREDITS

ONE TRIMESTER

This course introduces basic principles of adult nursing and common diseases affecting the endocrine and cardiovascular systems. Related signs and symptoms, laboratory findings and treatment of specified diseases will be presented. Basic nursing care of the surgical and adult patient will be discussed. Prerequisites: BIO175, BIO 176, PNN 147, PNN 148, and PNN265; Concurrent with PNN 232 Pharmacology 1A and PNN 712 Nursing Clinical 1A.

NURSING CLINICAL EXPERIENCE 1A: #PNN710

1.5 VOCATIONAL CREDITS

ONE TRIMESTER

This clinical course affords students the opportunity to provide basic nursing care to residents in the long term care setting using scientific nursing principles. Emphasis is placed on assessment and documentation skills. Certification in American Heart Association Basic Life Support will be completed. Students will complete required HIPAA, Infection Control and Mandatory Reporting for child/adult training for Health Care Providers. Prerequisite(s): PNN147; PNN148. Co-requisite(s): PNN502

HEALTH SOCIETY AND AGING: #HSC 226

This course provides a multidisciplinary perspective of aging. Biological, psychological, and sociological aspects of aging are explored. The impact of an aging population on societal issues such as politics, education, public policy, religions and health care will be considered.

HEALTH LAW AND ETHICS: #HIT141

Federal, state, and local law governing the preparation and use of health information is the focus of this course. Particular attention is paid to HIPAA and other regulations regarding privacy and confidentiality. Ethical issues, as they relate to the use of health information, are covered.

PHARMACEUTICAL APPLICATIONS: #HSC141

This course provides information on the classification of drugs, their generic names and normal route of administration. Accurate spelling is emphasized.

DEVELOPMENTAL PSYCHOLOGY: #PSY121

3 VOCATIONAL CREDITS

ONE TRIMESTER

The course is designed to provide a survey of the patterns of behavior and current attitudes on human development from birth to death. Emphasis is given to the theories of cognitive, social, physical and emotional development. Prerequisite: PSY111 Introduction to Psychology.

NURSING OF ADULTS 1B: #PNN503

1.5 VOCATIONAL CREDITS

ONE TRIMESTER

Common diseases affecting the hematopoietic, respiratory and renal systems are introduced. Related signs and symptoms, laboratory findings and treatment of specified diseases will be presented. Basic nursing care of the adult patient will be discussed. Prerequisites: PNN502 Nursing of Adults IA; Concurrent with PNN713 Nursing Clinical IB.

CLINICAL EXPERIENCE 1A: #PNN726

1 VOCATIONAL CREDIT

ONE TRIMESTER

This clinical course affords students the opportunity to provide basic nursing care to residents in the long term care setting using scientific nursing principles. Emphasis is placed on assessment and documentation skills. Certification in American Heart Association Basic Life Support will be completed. Students will complete required HIPPA, Infection Control and Mandatory Reporting for child/adult training for Health Care Providers.

EMPLOYMENT PREPARATION: #HSC230

This course is designed for students preparing to seek employment. Written documents including letters and resumes will be discussed and created. Job seeking techniques including interviewing skills and human relations skills will also be addressed.

MAHASKA COUNTY CAREER ACADEMY WELDING ACADEMY

Year One Academy classes are taught off-campus at North Mahaska High School and are transported by bus to New Sharon Welding Academy

INTRODUCTION TO WELDING, SAFETY & HEALTH OF WELDERS: #WEL228

1 VOCATIONAL CREDIT

ONE TRIMESTER

This course will provide students with orientation to the welding profession and will cover the basics of safety & health within the welding profession. This course aligns to SENSE Level 1, Module 1 and Module 2-Key Indicators 1-6.

TECHNICAL MATH FOR INDUSTRY: #MAT762

2 VOCATIONAL CREDITS

ONE TRIMESTER

This course covers mathematical operations using fractions, decimals and percentages. Customary and metric measurement problems are discussed. Practical applications of mathematical concepts are provided.

CPR, FIRST AID AND SAFETY: #IND110

1 VOCATIONAL CREDIT

ONE TRIMESTER

This course covers OSHA 10 Hour Construction Outreach. This certification addresses safety and health hazards in the workplace, employer responsibilities, and work rights. The student will obtain training in CPR AED basics and basic first-aid procedures.

SHIELDED METAL ARC WELDING I: #WEL274

3 VOCATIONAL CREDITS

ONE TRIMESTER

Focuses on safety, amperage settings, polarity and the proper selection of electrodes for the shielded metal arc welding process. Students will perform American Welding Society compliant welds on carbon steel, using visual and destructive methods for determining weld quality. This course aligns to SENSE Level 1.

THERMAL CUTTING PROCESS I-MANUAL AND MECHANIZED OXYFUEL CUTTING: #WEL262

2 VOCATIONAL CREDITS

ONE TRIMESTER

Focuses on proper safety, equipment setup and cutting techniques for manual and mechanized OxyFuel cutting on carbon steel. Students perform American Welding Society compliant cutting operations in the flat position. The student will also perform scarfing and gouging operations to remove base and weld metal in flat and horizontal positions on carbon steel. This course aligns to SENSE Level 1 Module 8-Units 1 and 2, as well as Module 2-Key Indicator 7 and Module 9-Key Indicator 1.

PRINT READING AND WELDING SYMBOL INTERPRETATION: #WEL233

3 VOCATIONAL CREDITS

ONE TRIMESTER

Provides instruction in interpreting elements of welding prints (drawings or sketches), focusing on measurement, American Welding Society welding symbols, and fabrication requirements. Students will understand how to prepare, assemble and tack welding parts according to drawings or sketches, using proper materials and tools. This course aligns to SENSE Level 1 Module 3, Drawing and Welding Symbol Interpretation, Key Indicators 1 and 2.

GAS TUNGSTEN ARC WELDING: #WEL253

1 VOCATIONAL CREDIT

ONE TRIMESTER

Focuses on proper weld safety, machine setup and welding techniques for Gas Tungsten Arc Welding. Students perform American Welding Society compliant welds on austenitic stainless steel in flat, horizontal, and vertical positions. This course will prepare students to take an AWS welder certification test, which is recommended for successful completion of this course.

This course aligns to SENSE Level I, Module 7 Key Indicators 1,2 and 8-12 as well as Module 2-Key Indicator 7, Module 3-Key Indicator 3, and Module 9-Key Indicator 2.

GAS METAL ARC WELDING SHORT CIRCUIT TRANSFER: #WEL244 2 VOCATIONAL CREDITS

ONE TRIMESTER

Focuses on proper weld safety, machine setup and welding techniques of Gas Metal Arc Welding Short-Circuiting Transfer. Students perform American Welding Society compliant welds on carbon steel, in flat, horizontal, vertical and overhead positions. This course will prepare students to take an AWS welder certification test, which is recommended. This course aligns with SENSE Level 1 Module 5 Key Indicators 1-7.

PROCEDURES AND QUALIFICATIONS: #WEL201

1 VOCATIONAL CREDIT

ONE TRIMESTER

This is a facilitated course designed to make students aware of proper welding procedures, qualification records, and procedure specifications found in industry. This course helps prepare students who may become a welding supervisor or inspector.

GAS TUNGSTEN ARC WELDING FOR CARBON STEEL: #WEL251 2 VOCATIONAL CREDITS ONE TRIMESTER

Focuses on proper weld safety, machine setup and welding techniques for Gas Tungsten Arc Welding. Students perform American Welding Society compliant welds on carbon steel in flat, horizontal, vertical and overhead positions. This course will prepare students to take an AWS welder certification test, which is recommended for successful completion of this course. This course aligns to SENSE Level 1, Module 7-Key Indicators 1-7, as well as Module 2-Key Indicator 7, Module 3-Key Indicator 3, and Module 9-Key Indicator 2.

Year Two Academy classes are taught here on OHS campus

Welding Academy

Second Year

SHIELDED METAL ARC WELDING II: #WEL275

3 VOCATIONAL CREDITS

ONE TRIMESTER

Focuses on safety, amperage settings, polarity and the proper selection of electrodes for the Shielded Metal Arc Welding (informally known as stick welding) process. Students perform American Welding Society complaint welds on carbon steel, in vertical up and overhead configurations, using visual and destructive methods for determining weld quality. This course aligns to SENSE level 1 Module 4; Shielded Metal Arc Welding Key Indicators 1-7 for the flat and horizontal positions, as well as Module 2-Key Indicator 7, Module 3-Key Indicator 3, and Module 9-Key Indicator 2.

ADVANCED WELDING PROCEDURES II: #WEL174

3 VOCATIONAL CREDITS

ONE TRIMESTER

This is a facilitated course that covers Advanced Shielded Metal Arc Welding preparing the student for structural steel and pipe welding.

FLUX CORE ARC WELDING (FCAW): #WEL182

2 VOCATIONAL CREDITS

ONE TRIMESTER

This is a facilitated course that covers Flux Core Arc Welding techniques and procedures.

WELDING INSPECTION AND TESTING PRINCIPLES: #WEL254

1 VOCATIONAL CREDIT

ONE TRIMESTER

Students will visually examine test weldments and thermally cut surfaces per multiple welding codes, standards, and specifications. This course aligns to SENSE Level I, Module 9; Welding Inspection and Testing Principles.

GAS METAL ARC WELDING SPRAY TRANSFER: #WEL245 2 VOCATIONAL CREDITS

ONE TRIMESTER

Focuses on proper weld safety, machine setup and welding techniques of Gas Metal Arc Welding Spray Transfer. Students perform American Welding Society compliant welds on carbon steel in flat and horizontal positions. This course will prepare students to take an AWS welder certification test, which is recommended for its successful completion. It aligns with SENSE Level 1 Module 5 Key Indicators 1,2 and 8-12, as well as Module 2-Indicator 7, Module 3-Key Indicator 3, and Module 9-Key Indicator 2.

METALLURGY FUNDAMENTALS: #WEL200

2 VOCATIONAL CREDITS

ONE TRIMESTER

This is a facilitated course that covers basic metallurgy, destructive, and non-destructive testing methods which the students will see or possibly use in industry.

CAREER DEVELOPMENT SKILLS: #ADM221

2 VOCATIONAL CREDITS

ONE TRIMESTER

This course teaches the student the skills required to locate prospective employers and to obtain a position in the chosen field. Topics covered include company and job research, application forms, resumes, letters, telephone techniques and interviews.

PRODUCTION WELDING PROCEDURES: #WEL211

4 VOCATIONAL CREDITS

ONE TRIMESTER

This is a facilitated course which covers Gas Metal Arc Welding Pulse in a production environment. This course will prepare students to take an AWS welder certification test, which is recommended.

**Discovery Academy on Hills Campus Students are transported by bus to the Indian Hills Campus
For more individualized class information, please see your counselor.**

Accounting Assistant	Industrial Maintenance
Agriculture/Biofuels	Interactive Media
Auto Technologies	Machine Technologies
Business Specialist	Health Unit Coordinator
Computer Software	Pharmacy Technologies
Cybersecurity	Phlebotomy Technician & Clinical Laboratory
Diesel	Nutrition & Dietary Management
Electronics Core	Entrepreneurship

Standard Grading Scale:

A	93-100	C	73-76
A-	90-92	C-	70-72
B+	87-89	D+	67-69
B	83-86	D	63-66
B-	80-82	D-	60-62
C+	77-79	F	59 and below

Recommended College Prep Curriculum (beyond current graduation requirements)

English	1 full-year of AP Comp, College Lit. or College Prep
Math	Four years of college prep math
Social Studies	Psychology or Sociology
Foreign Language	Minimum two years, each additional year will have increased benefit
Science	Min of 2 years of the following: Chemistry, Physics, AP Biology, AP Chemistry

Early Graduation

Students, particularly those who are college-bound, can profit considerably from a full school year of preparation. Early graduation may be a good option for those students who plan to begin their studies in college immediately. On the other hand, being out of school early would not be advisable for most students. Some students graduate mid-year to enter the labor market full time. In all cases, preparation and planning for the future should be carefully considered. Early graduates cease to be eligible for participation in co-curricular activities at the end of their last trimester. If a student is an early graduate, in order to attend prom, they must be the date of a current Oskaloosa Junior or Senior. Early graduates must submit a letter to the principal to present to the board of education for approval by midterm of 2nd trimester. Diplomas will not be available for early graduates until the spring ceremonies.

All policies/courses are subject for review for each school year. Approved board policy and handbook supersedes anything in this description book. Course offerings are subject to enrollment criteria.

OSKALOOSA HIGH SCHOOL SPECIAL EDUCATION

Oskaloosa Senior High School offers a range of special education services. Students will be served in multi categorical classes, team taught classes, regular education classes or a combination of these. Students in special education earn an Oskaloosa Senior High School diploma upon completion of the graduation requirements and as set forth in the Individual Education Plan. Entrance into any of these programs is dependent upon collection of data, supporting information, and recommendation of the staffing team which includes parents.

Course Requirements for Admission to Iowa's Regents Universities

University of Northern Iowa

ENGLISH	4 years, including one year of composition; also may include one year of speech, communications, or journalism.
MATH	3 years, including algebra, geometry, and advanced algebra.
SCIENCE	3 years, including courses in general science, biology, chemistry, earth science, or physics: laboratory experience highly recommended.
SOCIAL STUDIES	3 years, including courses in anthropology, economics, geography, government, history, psychology, or sociology.
FOREIGN LANGUAGE	Foreign language courses are not required for admission. Two years are needed for University graduation requirements with C- or above.
ELECTIVES	2 years of additional courses from the required subject areas, foreign language, or fine arts.

The University of Iowa

ENGLISH	4 years with emphasis on the analysis and interpretation of composition, literature, speech.
MATH	3 years, including two years of algebra and one year of Geometry for admission to College of Liberal Arts, 4 years for admissions to College of Engineering
SCIENCE	3 years, including one year from any two of the following: biology, chemistry, and physics for admission to College of Liberal Arts. 3 years, including at least one year of chemistry, and physics for admission to College of Engineering.
SOCIAL STUDIES	3 years, including courses in U.S. and world history for admission to College of Liberal Arts. 2 years, including courses in U.S. and world history for admission to College of Engineering.
FOREIGN LANGUAGE	2 years of one foreign language for admission. For many degrees, the 4 th year of proficiency is required for graduation. Nursing—4 years in a single language or two years each in two different languages.
ELECTIVES	Not required

Iowa State University

ENGLISH	4 years, with emphasis on the analysis and interpretation of composition, literature, speech.
MATH	3 years, including two years of algebra and one year of Geometry.
SCIENCE	3 years, including one year each of courses from two of the following fields: biology, chemistry, and physics.

SOCIAL STUDIES	3 years for admission to College of Liberal Arts and Sciences. 2 years for admission to Colleges of Engineering Agriculture, Business, Design, Education, and Family & Consumer Sciences.
FOREIGN LANGUAGE	2 years of one foreign language for admission to Colleges of Liberal Arts & Sciences and Engineering. One additional year for University graduation requirements. Elementary Education and Early Childhood majors require 3 years of foreign language to graduate. No foreign language is needed in the other colleges.
ELECTIVES	Not required.

*Some requirements may differ for programs within any university.

NCAA ELIGIBILITY REQUIREMENTS (more details can be acquired at www.ncaaclearinghouse.net)

DIVISION I 2008 after	DIVISION II
16 Core Courses	14 Core Courses
4 Years English	3 Years English
3 Years Math (Above Alg 1)	2 Years Math (Above Alg 1)
2 years Science (1 year lab)	2 years Science (1 year lab)
1 year additional English, Math, Science	2 year additional English, Math, Science
2 years Social sciences	2 years Social Sciences
4 years additional from above	3 years additional from above
Plus foreign language	Plus foreign language

Division II has a minimum core grade point average of 2.0 and minimum SAT of 820/ACT sum score 68.

Division I has a sliding scale with minimum core grade point of 2.0. ACT/SAT sum score goes down as GPA goes up.

NAIA ELIGIBILITY REQUIREMENTS (more details can be acquired at www.naia.org/local/collegebound/html)

1. **YOU MUST**, if an entering freshman*, meet two of three entry-level requirements.

* An entering freshman is defined as a student who, upon becoming identified with an institution, has not been previously identified with an institutions) of higher learning for two semesters or three quarters (or equivalent).

- A. Achieve a minimum of 18 on the ACT or 860 on the SAT taken on or after April 1, 1995; 740 for tests taken prior to April 1, 1995. [Ed. note: The increased score does not reflect an increase in performance. The SAT began using a different scoring scale on April 1, 1995; an 860 on the new scoring scale is equivalent of a 740 under the old scoring scale.] Tests must be taken on a national testing date (residual tests are not acceptable). Scores must be achieved on a single test.
- B. Achieve a minimum overall high school grade point average of 2.000 on a 4.000 scale.
- C. Graduate in the top half of your high school graduating class.

The ACT/SAT test must be taken on a national testing date and certified to the institution prior to the beginning of the term in which the student initially participates.