

Clarinda High School Course Selection Guide



2021-2022

Clarinda High School
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ACADEMIC POLICIES & PROCEDURES

INTRODUCTION

This handbook is published annually to give students, parents, and staff the information needed to plan and manage each student's success in high school. A successful high school experience is the outcome of knowing what is required, careful selection and sequencing of courses, and awareness of important academic policies and procedures. Counselors, administrators, and teachers stand ready to help students develop plans and make decisions. Students, however, must assume the greatest responsibility for their success in high school since they direct their development and choose where and how to use their effort and talents. Students and families need to be aware that all course offerings are subject to enrollment.

With principal approval, students may attempt to *test out of a course*. The general criteria for testing out would include students that are within the first two days (preferably before) of a term of their enrollment and have never attempted the course. Students may have access to the class syllabus and/or study guide up to two days prior to taking the test. To successfully test out of a course, a student must pass the final and/or test out exam with a score of 80% or higher. With a successful test out, the student earns credit for the course, and an "S" for Satisfactory is entered on the transcript. Thus, this class would not count towards a student's GPA. Students should contact their school counselor, gifted coordinator, or principal for more information. Please note that not all courses may be eligible for testing out. Any state-required or lab associated course is not eligible for testing out.

District Mission:

The Clarinda Community School District's mission is to educate all students to succeed by ensuring quality leadership, curriculum, assessment and instruction.

NON-DISCRIMINATION STATEMENT

It is the policy of the Clarinda Community School District not to illegally discriminate on the basis of race, color, national origin, sex, disability, religion, creed, age (for employment), marital status (for programs), sexual orientation, gender identity and socioeconomic status (for programs) in its educational programs and its employment practices. There is a grievance procedure for processing complaints of discrimination. If you have questions or a grievance related to this policy, please contact the district's Equity Coordinator, Chris Bergman at:

423 E. Nodaway PO Box 59
Clarinda Iowa 51632
712-542-5165
cbergman@clarindacsd.org

Additional questions about this policy can be addressed by contacting the Iowa Civil Rights Commission, Grimes State Building, 400 E. 14th Street, Des Moines, IA 50319-1004; phone number 515-281-4121, 800-457-4416; website: <http://www.state.ia.us/government/crc/index.h>

GRADUATION REQUIREMENTS

Requirements for Graduating

English Language Arts	Total 8
Financial Literacy	Total 1
Health	Total 1
Mathematics	Total 6
Physical Education	Total 4
Science	Total 6
Social Studies	Total 6
World History	2 Credits
American History	2 Credits
American Government	1 Credit
Social Studies Elective	1 Credit
Approved elective courses	Total 20
Total Requirements	52 Credits

Recommended Year and Course Schedule

Freshman Courses:

- English 9, Honors 9, or Language Lab
- Pre-Algebra, Algebra I, Geometry, or Algebra II
- Physical Science
- World History
- Physical Education

Sophomore Courses:

- English 10 B - Communication
- English 10 or Honors 10
- Biology
- American History
- Health I
- Pre-Algebra, Algebra I, Geometry, or Algebra II
- Physical Education

Junior Courses:

- English 11 A & B or Honors 11 A & B
- Math Requirement
- Science Electives (2)
- Physical Education
- American History (Class of 2023 only)
- Personal Finance (Required elective for Junior or Senior Year)

Senior Courses:

- English 12 A
- American Government
- Physical Education
- Personal Finance (Required elective for Junior or Senior Year)

AGRICULTURAL SCIENCE

Agricultural Education I

Grade Level: 9,10,11,12

Terms: 2

Prerequisite: None

Credit/Semester: 1

NCAA: No *RAI:* No

Description: This course surveys a wide array of topics within the agricultural industry, and students with no agricultural background will find areas of interest in this course offering. Students will be exposed to the many careers in agriculture and will study the food and fiber system -- its history and social/environmental impact on our state and world. International agriculture will be a focus, as students will examine a wide variety of animals and crops found throughout the world. Students will also study animal husbandry areas that make up the U.S. agricultural sector and will learn about the production and management of livestock. Other topics studied in this course include an introduction to the FFA and SAE, leadership abilities and how to conduct meetings, basic record keeping skills, and basic woodworking skills. The use of computers and the Internet will be an effective resource for students in Ag. Ed. I. Students will be introduced to how science is integrated into agriculture through labs and other activities from the CASE curriculum.

CTE Service Area:

Career Connections:

Agricultural Education II

Grade Level: 10,11,12

Terms: 2

Prerequisite: Ag. Ed. I

Credit/Semester: 1

NCAA: No *RAI:* No

Description: This course involves the study of biological concepts and principles of plant growth and development. Topics include the importance of plants to the environment, plant classifications, functioning parts of the plant, and the importance of plant physiology in growth and development. Students will examine the practices in U.S. and world plant production and identify their importance as a food source for a growing world population. Students will take an in-depth look at the life cycle of plants and plant classification and will gain valuable hands-on experience by working with each other in small groups collecting and identifying plants throughout the area. Ag. Ed. II students will also work with each other in examining current issues in agriculture and discussing and debating these issues with one another. Students will be introduced to how science is integrated into agriculture through labs and other activities from the CASE curriculum.

Ag. Careers & Industry

Grade Level: 10,11,12

Terms: 1

Prerequisite: None

Credit/Semester: 1

NCAA: No *RAI:* No

Description: Career preparation is relevant and rigorous; this course will provide the students with basic leadership and personal development skills that will transfer as the student continues with their education, community involvement, and/or employment. Throughout the semester students will be provided with opportunities to develop knowledge and skills that pertain to the agriculture industry and careers with the industry. The course will combine classroom instruction with business and industry experiences/opportunities.

The main goal is to prepare students with a variety of skills for a potential career in agriculture or a foundation for any setting.

Agricultural Communication

(can satisfy an English elective)

Grade Level: 11,12

Terms: 1

Prerequisite: None

Enrollment Limit: 18

Credit/Semester: 1

NCAA: No RAI: No

Description: This is a very practical, hands-on course in which students will gain valuable experience in communicating in the business world. The primary goal of the course is to help students communicate successfully through written and oral business messages that receivers can easily understand and to which they will react favorably. Topics in which students will gain experience are writing effective letters, memos, reports, and proposals and learning how to give proper oral reports to different audiences. Students will use computers extensively to create the documents listed above and learn to write effectively for their future endeavors in the business world.

Conservation

Grade Level: 9,10,11,12

Enrollment Limit: 18

Terms: 1 (science elective)

Prerequisites: None

Credit/Semester: 1

NCAA: No RAI: No

Description: This course will engage students in the study of conservation practices throughout Iowa and the U.S. and the study of natural resources in the U.S. and the world. Students will gain an understanding of the importance of soil science and its properties and functions by taking soil samples and judging soil. Students will also be exposed to the topic of wildlife management as well as water quality and watershed issues. Students will also learn about meteorology and identify weather patterns such as tornadoes, hurricanes, and drought and will discuss the impact these have on agriculture in Iowa and the world. Another area of study will be tree identification and physiology, in which students will study how trees can protect wildlife and land, clean our air and streams, and impact our nation's energy needs. Students will be introduced to how science is integrated into agriculture through labs and other activities from the CASE curriculum.

Food Science

Grade Level: 10,11,12

Terms: 1

Prerequisite: None

Credit/Semester: 1

NCAA: No RAI: No

Description: Discover the science behind your favorite foods! How is root beer made? Are all additives bad? Will you get sick if you eat mold? These questions and more will be answered as you investigate principles of food processing and food science. Topics to be covered include food safety and regulations, processing and preservation, product development, and nutritional content of various foods. The course places emphasis on hands-on lab activities and discussion.

Horticulture

Grade Level: 9,10,11,12

Enrollment Limit: 18

Terms: 1 (science elective)

Prerequisite: None

Credit/Semester: 1

NCAA: No RAI: No

Description: Horticulture students will be engaged in learning many different practices and procedures in the horticulture industry. An overview of horticulture and plant science concepts will begin the course, followed by hands-on activities which include seed germination, taking cuttings and propagating them, transplanting, grafting tree branches, and pruning trees. Nursery management principals will be discussed, along with the choice of horticulture careers in the business world today. Students will be introduced to how science is integrated into agriculture through labs and other activities from the CASE curriculum.

Landscape Design

Grade Level: 9,10,11,12

Terms: 1

Prerequisite: None

Credit/Semester: 1

NCAA: No *RAI:* No

Description: Landscape Design students will begin a study on landscaping and will utilize a computer program to perform their own landscape designs. Students will also look into the increasingly popular area of turf and lawn grass management and discover the importance of these areas of study to home and recreational horticulture. Other areas of interest in which students will gain an understanding and receive hands-on experience are xeriscaping, interior landscaping, and floriculture.

Marketing

Grade Level: 11,12

Enrollment Limit: 18

Terms: 1

Prerequisite: None

Credit/Semester: 1

NCAA: No *RAI:* No

Description: Any student who plans to enter the world of business will benefit. Students entering careers such as banking, business, economics, and marketing will develop an understanding of U.S. and world production, specialization and trade, U.S. and world markets, and the principles of supply and demand. An overview of marketing concepts, activities, & principals will be studied, along with commodity marketing and pricing strategies. Students will be involved in giving sales presentations and will also develop marketing strategies of their own in order to gain valuable experience in organizing their marketing activities.

Small Animal Veterinary Science

Grade Level: 10,11,12

Terms: 1

Prerequisite: None

Credit/Semester: 1

NCAA: No *RAI:* No

Description: Learn how to keep your pets happy, healthy, and safe with actual animals. You will learn how to make diagnoses, and analyze diets and nutrition. You will learn how to bandage an abrasion, stitch a wound, and address any major medical emergency. You will understand what it takes to effectively care for small animals in any situation. This is an ideal class for anyone who loves caring for animals or who wants to pursue a career in a medical field. This class involves opportunities to work with live dogs and cats as well as various other species.

Large Animal Veterinary Science

Grade Level: 10,11,12

Terms: 1

Prerequisite: None

Credit/Semester: 1

NCAA: No *RAI:* No

Description: Students in this course explore health and diseases, analyze pathogens and learn how to reduce the prevalence of disease through administration of vaccines, antibiotics, and other health measures. Students explore the reproductive system of mammals. Students explore nutrition, connecting the components of the diet of an animal to its health and wellbeing. Students conclude the course by assessing animal welfare, facility design, and finish by conducting physical exams.

AG Dual College Credit Classes

Farm Business Management

Grade Level: 10,11,12

Enrollment Limit: 18

Terms: 1

Prerequisite: None

College credits (3) available for this course

Credit/Semester: 1

NCAA: No RAI: No

Description: Farm Business Management examines the business and economic principles applied to decision-making and problem-solving in the management of a farm business. Students learn about cash flow, partial, enterprise, and whole farm budgeting. Additional topics include: information systems for farm accounting, analysis, and control; obtaining and managing land, capital, and labor resources; and alternatives for farm business organization.

Survey of Animal Industry

Grade Level: 10,11,12

Enrollment Limit: 18

Terms: 1

Prerequisite: None

College credits (3) available for this course

Credit/Semester: 1

NCAA: No RAI: No

Description: Survey of the Animal Industry examines ways domestic animals serve the basic needs of humans for food, shelter, protection, fuel, and emotional well-being. Terminology, basic structures of the industries surrounding the production, care, and marketing of domestic animals in the U.S. Includes hands-on learning experiences relative to production and/or companion animals common to the area.

BUSINESS AND TECHNOLOGY EDUCATION

Accounting I

Grade Level: 10, 11, 12

Prerequisite: A "C" or better in General Business, Personal Finance, or teachers' permission.

Terms: 2

Credit/Semester: 1

NCAA: No RAI: No

Description: Accounting I is designed to provide the student with necessary fundamental principles needed to keep systematic & accurate financial records. Accounting covers complete accounting cycles of sole proprietorships, partnerships and corporations. Accounting I is recommended for the college-bound student. Practical simulations are offered that will give first-hand experience on how accounting actually works in a business situation. Daily homework will be assigned. May be taken in grade 10 with teacher permission. It is suggested that Accounting I be taken during their 10th grade year, Accounting II during their 11th grade year, and Principles of Accounting at IWCC during their 12th grade year.

Accounting II (Articulated with IWCC)

Grade Level: 11, 12

Terms: 2

Prerequisite: Accounting I

Credit/Semester: 1

NCAA: No RAI: No

Description: Accounting II is a full-year course which continues the theories learned in Accounting I. This course is designed for the student specifically interested in a business career. It is highly recommended for the student planning to major in business in college. The course includes 20 chapters & 3 packets. Computerized accounting applications will be infused throughout the course. Daily homework will be assigned. It is suggested that Accounting II should be taken during their 11th grade year, and Principles of Accounting at IWCC during their senior year.

Cardinal Communications (Offered: TBD) Terms. 1*Credit/Semester: 1**Grade Level. 10, 11,12**NCAA: No RAI: No**Prerequisites: Multimedia & Desktop Publishing*

Description. This course will provide students with the knowledge and skills necessary for television, video, film, radio and/or other production mediums. Writing scripts, camera operation, use of graphics and other visuals, lighting, audio techniques, editing, production principles, and career opportunities are typical topics covered. Students will work collaboratively with staff, local businesses, and one another to produce programs, segments, game preview videos, hype videos, and newscasts. Scorsion, green screen, and other technology, as well as social media platforms will be used to promote the Cardinal way! The course serves as the district team for communications and will encourage creativity, initiative, problem solve, planning, communication. *This course requires coursework to be completed outside of class.

Desktop Publishing*Terms. 1**Credit/Semester: 1**Grade Level. 9, 10, 11,12**Prerequisite: None**NCAA: No RAI: No*

Description. This class will challenge students to create projects published from various applications. Both the technical & artistic layouts of work to be viewed by public are explored. Student work will be displayed. Students will have a very good understanding of Photoshop and Pixels.com

Digital Media Design & Production*Terms. 1**Credit/Semester: 1**Grade Level. 10,11,12**Prerequisite: None**NCAA: No RAI: No*

Description. Digital Media Design and Production courses teach students the fundamentals of graphic design and production and provide students with the opportunity to apply these principles to printed media, digital presentation media, and interactive media.

General Business (Business I)*Terms: 1**Grade Level: 9, 10, 11, 12**Prerequisite: None**Credit/Semester: 1**NCAA: No RAI: No*

Description: This course offers a variety of units on business concepts and skills that everyone must learn to function in today's society. It is suggested that future accounting students enroll in this course to give them a better business foundation. Topics include:

- Basic Economics—(needs and wants) (supply and demand) (recession and recovery)
- Ethics and Social Responsibility—doing the right thing (businesses and individuals)
- Foreign Trade—imports, exports, foreign currency (international business)
- Business Types and Ownerships—sole owners, partnerships, corporations (stock market)
- Government—USDA, EPA, FDIC, etc. (Prepare a 1040 tax return)
- Online Banking—complete a banking packet and understanding identity theft

Information Management*Terms: 1**Credit/Semester: 1**Grade Level: 9, 10, 11, 12**Prerequisite: None**NCAA: No RAI: No*

Description: This course is intended to enhance competencies in the use of spreadsheet and database programs to better manage information. Skills taught include the creation of spreadsheets and databases, calculations, creating charts and graphs, layouts, reports, and searches.

Information Technology*Terms. 1**Credit/Semester: 1**Grade Level. 9, 10, 11,12**Prerequisite: None**NCAA: No RAI: No*

Description. Students will develop the necessary skills to code and program websites, games and robots using problem-solving skills to complete projects and assignments. Additional topics include exploration of current trends in technology, selecting equipment to purchase, and computer security topics, while possibly having community members speak about technology in the workplace and issues that arise.

Microsoft Applications*Terms: 1**Credit/Semester: 1**Grade Level: 9, 10, 11, 12**Prerequisite: None**NCAA: No RAI: No*

Description: This course will develop competencies in the advanced feature of word processing using the following: Microsoft Word software, spreadsheet using Excel, Open Office, Google Docs, PowerPoint and iPad Applications. There is a focus on using the tools and elements of the program.

Personal Finance (Required)*Terms. 1**Credit/Semester: 1**Grade Level: 11, 12**Prerequisite: Gen. Bus. suggested)**NCAA: No RAI: No*

Description: This course will continue units started in General Business, which will help students become wise consumers. It is suggested that future accounting students enroll in this course to give them a better business foundation. Topics include:

- ⇒ Marketing—consumer products & activities
- ⇒ Technology—understanding computer systems
- ⇒ Payroll—your paycheck and the tax deductions and benefits
- ⇒ Risks and Insurance—car, health, property, liability and life—premiums and claims, etc.
- ⇒ Money Management—budgeting money
- ⇒ Budgeting—complete a budgeting packet
- ⇒ Banking—banking services and debit cards, checking accounts
- ⇒ Consumer Credit—use of credit cards and interest
- ⇒ Investments—explore different types of investments (Stock Market)

Web Design*Terms. 1**Credit/Semester: 1**Grade Level. 9, 10, 11, 12**Prerequisite: None**NCAA: No RAI: No*

Description. This course uses the Adobe Dreamweaver program to introduce the area of web page design. Students learn to create different styles of sites and use different elements to make their sites more efficient.

DRAMA THEATRE (OFFERING - TBD)

Beginning Acting

Grade Level: 9, 10, 11,12

Enrollment Limit: 20

Terms: 1

Prerequisite: None

Credit/Semester: 1

NCAA: No *RAI:* No

Description: This course provides experience and skill development in one or more aspects of theatrical production, by allowing the students to concentrate on acting and performance skills. This Introductory course will explore fundamentals, expand students' exposure to different types of theatrical craft and traditions, and increase their participation in public productions.

Introduction to Theatre

Grade Level: 10, 11,12

Enrollment Limit: 20

Terms: 1

Prerequisite: None

Credit/Semester: 1

NCAA: No *RAI:* No

Description: Introduction to Theatre will explore a wide variety of elements of theatre--everything from improvisation to literature to lighting to promotion. The class will work as individuals and as team members to study various periods of theatre history, developments of theatre technology, acting styles, and playwrights. Students should also be prepared to research and write short papers about theatre topics.

Play Reading & Writing

Grade Level: 10, 11,12

Enrollment Limit: 20

Terms: 1

Prerequisite: None

Credit/Semester: 1

NCAA: No *RAI:* No

Description: This course helps students understand and employ writing principles and techniques to create original scripts suitable for theater, film, and/or television. This course explores the appropriate techniques of each genre and may examine the creative writing craft, scene writing, and the creation of a production.

Stagecraft

Grade Level: 10, 11,12

Enrollment Limit: 20

Terms: 1

Prerequisite: None

Credit/Semester: 1

NCAA: No *RAI:* No

Description: This course is designed to cover the fundamentals of technical theatre. The course introduces students to stage terminology, equipment, and basic construction methods. The course requires students to work on actual production situations. The class will maintain the stage and scene shop. They will also be used to service groups that use the auditorium. Hours of work beyond class time are also required.

Theatre Production

Grade Level: 11,12

Enrollment Limit: 20

Terms: 1

Prerequisite: None

Credit/Semester: 1

NCAA: No *RAI:* No

Description: Theater productions class focus on the study and productions of all plays, Students will dig deep into technology of sound and lights. The program will assist all programs at the high school with both lights and sound.

EMPLOYABILITY EDUCATION

Core Career Education

Grade Level. 9,10,11,12

Terms: 1

Prerequisite. None

Credit/Semester: 1

NCAA: No RAI: No

Description. This course is designed to provide students a basic background in the areas of getting and keeping a job. Development of workplace maturity skills, leadership skills, interviewing skills, interpersonal skills, & communication skills are key elements of this course. Students will examine their unique personal traits and review them in relation to various occupations, study job requirements, fill out applications, and complete a personal resume.

Internship I

Grade Level. 10, 11, 12

Prerequisite. Core Careers or Ag. Comm.

Terms. 1

Credit/Semester: 1

NCAA: No RAI: No

Enrollment Limit: 10 interns per term

Description. This experience gives students the opportunity to receive on-the-job training at one or more work sites on a non-paid basis. The focus is on long-term training. Students may earn up to two credits per term. Work sites are secured and monitored by the Internship Coordinator(s). Work evaluations are completed. The Coordinator will meet weekly with students to review performance.

Internship II

Grade Level. 12

Prerequisite: Internship I

Terms. 1

Credit/Semester: 1

NCAA: No RAI: No

Enrollment Limit: 10 interns per term

Description. This experience gives students the opportunity to receive on-the-job training at one or more work sites on a non-paid basis. The focus is on long-term training. Students may earn up to two credits per term. Work sites are secured and monitored by the Internship Coordinator(s). Work evaluations are completed. The Coordinator will meet weekly with students to review performance.

IJAG I (Iowa's Jobs for America's Graduates)

Grade Level: 9, 10

Term: Year

Credit/Year: 2

Prerequisite: None

Description: Career transition into the workplace, including graduation and placement into postsecondary education, the workforce and/or the military. Targeted youth with employability and life survival skills through classroom instruction of 37 core competencies, guidance/counseling, academic remediation, work-based learning experiences, summer activities, post-secondary, and career advisement.

IJAG II (Iowa's Jobs for America's Graduates)

Grade Level: 11, 12

Term: Year

Prerequisite: None

Credit/Year: 2

Description: Introductory career preparation program that provides instruction in exploring personal strengths and weaknesses. Students will work to build strengths in academic areas, time management, personality and temperament, communication models for personal and career use and work to understand the relationship between personal actions and consequences that follow. Students will make connections to career interest, ability, and aptitude areas to begin determining their career goal. The program format involves individual and team activities/projects to demonstrate IJAG core competency attainment. Guest speakers will be a regular part of the course and students will be involved in community service experiences.

Peer Tutor

Grade Level: 12

Term: 1

Prerequisite: None

Credit/Semester: 1

NCAA: No RAI: No

Description. This course is designed to provide students an opportunity to help their peers academically. Students enrolling in this class need to be willing to help their peers and feel comfortable helping in the core subject areas of English, mathematics, history and science. This class does not count toward the GPA, but students do receive a credit toward graduation.

ENGLISH LANGUAGE ARTS COURSE

English 9

Grade Level: 9

Terms: 2

Prerequisite: None

Credit/Semester: 1

NCAA: Yes RAI: Yes

Description: The basics of language arts are covered in English 9 to help students develop skill in English/Language Arts. This course meets state and district standards in areas of reading, writing, listening, and speaking. Through the study of novels and other reading choices, major literary style techniques will be introduced to help develop critical thinking skills on all levels: knowledge, comprehension, evaluation, analysis, and synthesis.

English 9 Honors

Grade Level: 9

Terms: 2

Prerequisite: Teacher rec.

Credit/Semester: 1

NCAA: Yes RAI: Yes

Description: English 9H emphasizes learning advanced skills in language arts and is an alternative to English 9. Students write extensively, read challenging works, participate in group and individual speech activities and view representation of literary works. This course meets state and district standards in areas of reading, writing, listening, and speaking. Through the study of novels and other reading choices, major literary style techniques will be introduced to help develop critical thinking skills on all levels: knowledge, comprehension, evaluation, analysis, and synthesis.

Language Lab Terms: 2 Credit/Semester: 1
Grade Level: 9, 10 Prerequisite: Teacher rec. NCAA: No RAI: No

Description: This course is specifically designed to improve accelerated achievement in reading comprehension. Students will read books in class and independently to improve fluency, comprehension, vocabulary, and writing. Freshmen may take this course in place of two terms of English 9.

English 10A Terms: 2 Credit/Semester: 1
Grade Level: 10 Prerequisite: English 9 NCAA: Yes RAI: Yes

Description: English 10 Language Arts offers a balanced focus on composition and literature. This course meets state and district standards in the areas of reading, writing, listening, and speaking. Students learn about the alternate aims and audiences of written compositions and by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through study of various genres of literature, students can improve reading rate and comprehension plus develop skills to determine the author's intent and theme.

English 10A Honors Terms: 2 Credit/Semester: 1
Grade Level: 10 Prerequisite: Teacher rec. NCAA: Yes RAI: Yes

Description: English 10H emphasizes learning advanced skills in language arts and is an alternative to English 10. Students write extensively, read challenging works, participate in group and individual speech activities and view representation of literary works. English 10H offers a balanced focus on composition and literature. This course meets state and district standards in the areas of reading, writing, listening, and speaking. Students learn about the alternate aims and audiences of written compositions and by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through study of various genres of literature, students can improve reading rate and comprehension plus develop skills to determine the author's intent and theme.

English 10B Communication (Offered: TBD) Terms: 1 Credit/Semester: 1
Grade Level: 10 Prerequisite: English 9 NCAA: Yes RAI: Yes
Limit: 16 students

Description: This course explores the three levels of communication: self-communication, communication with a small group, and communication with a large group. Activities and assignments offered to students are geared toward individual abilities. Short speech presentations will be presented by class members.

English 11 Terms: 2 Credit/Semester: 1
Grade Level: 11 Prerequisite: English 10 NCAA: Yes RAI: Yes

Description: English 11 continues to develop students' reading, writing, and discussion skills. The course features a variety of texts that range from classic American literature to more contemporary pieces. Analyzing

these texts will encourage students to practice critical thinking and the application of complex concepts to literature. Students will write frequently and continue to focus on structure, mechanics, and fluidity.

English 11 Honors Terms: 2 Credit/Semester: 1
Grade Level: 11 Prerequisite: Teacher rec. NCAA: Yes RAI: Yes

Description: English 11 Honors is an alternative to English 11 that focuses on a deeper study of literature and more detailed writing. Students read challenging works, read extensively, and participate in regular small group discussions. The course features a variety of texts that range from classic American literature to more contemporary pieces. Analyzing these texts will allow students to practice critical thinking and apply complex concepts to literature. English 11H students will demonstrate advanced writing skills by regularly producing highly polished work.

English 12 A Terms: 1 Credit/Semester: 1
Grade Level: 12 Prerequisite: English 11 NCAA: Yes RAI: Yes

Description: English 12A continues to guide students as they grow as readers, writers, and thinkers. Students will explore the development of the English language through texts that range from Anglo-Saxon elegies and epics to the dialect-driven works of Zora Neale Hurston and the grim future imagined by Ray Bradbury. This sweeping survey of the English language balances reading and writing while exploring the essential humanity that lies within literature.

English 12 B: (World Lit.) (Offered: TBD) Terms: 1 Credit/Semester: 1
Grade Level: 12 Prerequisite: English 11 NCAA: Yes RAI: Yes

Description: This course provides students with the opportunity to build a deeper understanding of different storytelling and artistic traditions from a global perspective. English 12B highlights a variety of literature including fiction, nonfiction, poetry, and drama. The semester will allow students to sample writing from many different countries as they explore the inextricable link between language and culture.

Agricultural Communication (may be used to satisfy either an agriculture or English elective)
Grade Level: 11,12 Terms: 1 Credit/Semester: 1
Enrollment Limit: 16 Prerequisite: None NCAA: No RAI: No

Description: This is a very practical, hands-on course in which students will gain valuable experience in communicating in the business world. Primary goal of the course is to help students communicate successfully through written and oral business messages that receivers can easily understand and react favorably. Topics in which students will gain experience are writing effective letters, memos, reports, and proposals and learning how to give proper oral reports to different audiences. Students will use computers extensively to create documents listed above and learn to write effectively for their future endeavors in the business world. It may satisfy either an agriculture or English elective credit.

Cardinal Publications (Offered: TBD) Terms: 1 Credit/Semester: 1
Grade Level: 11,12 Prerequisite: Communication NCAA: Yes RAI: Yes

Description: Cardinal Publications focuses on teaching students how to write for a wide audience in a number of different contexts. Students will grow as writers as they produce a regular newsletter, television scripts, social media posts, and other similar modes of writing. Grammar, mechanics, and polished writing will be emphasized throughout the course. Writers will collaborate within their own class and with Cardinal TV.

Creative Writing
Grade Level: 11,12

Terms: 1
Prerequisite: English 10

Credit/Semester: 1
NCAA: No RAI: No

Description: This Creative Writing course offers students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the course is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft.

Interpersonal Communication (Offered: TBD)

Grade Level: 9,10,11,12
Limit: 16 students

Terms: 1
Prerequisite: None

Credit/Semester: 1
NCAA: No RAI: No

Description: This Communication course focuses on the application of written and oral communication skills through a variety of formal and informal experiences. The course is performance-based and emphasizes effective interpersonal and team-building skills. This Communication course will involve the study of how interpersonal communications are affected by stereotypes, nonverbal cues, vocabulary, and stylistic choices.

Performance Literature

Grade Level: 10,11,12
Limit: 16 students

Terms: 1
Prerequisite: Communication

Credit/Semester: 1
NCAA: Yes RAI: Yes

Description: This course is the study and presentation of prose, poetry, and dramatic literature. Students will learn how to analyze literature and apply their findings to performing the literature. Students will work both independently and in groups. Students will also study improvisation as well as performing monologues and scenes from dramatic literature.

Public Speaking

Grade Level: 11,12
Limit: 16 students

Terms: 1
Prerequisite: Communication

Credit/Semester: 1
NCAA: Yes RAI: Yes

Description: This course is a further study of speaking begun in Communication, with the emphasis shifting to formal speech presentation. Students will also concentrate on thought organization skills, writing skills, and speech presentation techniques. Public Speaking class will also be introduced to formal debate.

FAMILY & CONSUMER SCIENCE EDUCATION

Child Development (Articulated)

Grade Level: 10,11,12
Enrollment Limit: 16

Terms: 1
Prerequisite: None

Credit/Semester: 1
NCAA: No RAI: No

Description: This course involves the study of pregnancy, infant care, toddlerhood, preschool years, and development and parenting of the child.

Integrated Child Development

Terms: 1

Credit/Semester: 1

Grade Level: 11,12

Prerequisite: None

NCAA: No RAI: No

Enrollment Limit: 16

Description: Integrated Child Development students study the physical, social, emotional, and intellectual development of children from preschool through age 12. Other areas addressed include child development principles and theory, family relationships, health and safety of children, middle childhood/school-age program management & professionalism. Students will observe children as well as implement activities/lessons with school-age children in an individual, small group, or class setting.

Culinary Arts I

Terms: 1

Credit/Semester: 1

Grade Level: 11,12

Prerequisite: Foods & Nutrition (pass with C or above)

NCAA: No RAI: No

Enrollment Limit: 16

Description: Students will demonstrate food safety and sanitation procedures, justify the correct use and maintenance of food production equipment and tools, apply scaling and measuring techniques, demonstrate basic knife skills, demonstrate preparation of menu items, and demonstrate garnishing and presentation techniques. Students will apply menu management and production principles as it relates to hospitality.

Culinary Arts II

Terms: 1

Credit/Semester: 1

Grade Level: 11,12

Prerequisite: Foods & Nutrition (pass with C or above)

NCAA: No RAI: No

Enrollment Limit: 16

Description: This course will focus on baking and food science. Students will apply the knowledge and skills of how basic ingredients function, baking/pastry vocabulary, and mixing techniques to produce baking/pastry products based on industry standards. Students will develop skills in basic bread and pastry techniques to produce breads, muffins, biscuits, pies, cakes, pastries, and specialized desserts. The attention to detail and artistic flair are skills that will be developed.

Fashion Strategies

Terms: 1

Credit/Semester: 1

Grade Level: 9,10,11,12

Prerequisite: None

NCAA: No RAI: No

Enrollment Limit: 16

Description: In this course students will evaluate the meaning of clothing, design elements and principles, historic costume and textiles to make life and career choices. They will also apply basic construction techniques in a sewing project.

Foods & Nutrition

Terms: 1

Credit/Semester: 1

Grade Level: 9,10

Prerequisite: None

NCAA: No RAI: No

RAI: No

Enrollment Limit: 16

Description: This course will cover basic nutrition and application of basic principles of food selection and preparation. Basic cooking principles and cooking practices for specific foods; such as vegetables, fruits, eggs, milk, bread pastry and protein foods will be covered. Students will develop a cooking foundation.

Independent Living

Grade Level: 9,10, 11, 12
Enrollment Limit: 16

Terms: 1
Prerequisite: None

Credit/Semester: 1
NCAA: No RAI: No

Description: This class will teach students the skills that they need to become an independent and successful adult. Students will learn about finances, food, health, clothing, relationships, careers and much more.

Interior Design

Grade Level: 9,10,11,12
Enrollment Limit: 16

Terms: 1
Prerequisite: None

Credit/Semester: 1
NCAA: No RAI: No

Description: This course enables creativity exploration in the field of interior design. Identification of the elements and principles of design are emphasized. Other topics included are housing choices, floor plans and careers. Projects are integrated throughout the course to provide applications as students study: architecture, furniture styles and construction, surface treatments and backgrounds, design and function of space. There will be a creative stitchery or sewing project (students can make something to be used at home).

Life and Relationships

Grade Level: 9,10
Enrollment Limit: 16

Terms: 1
Prerequisite: None

Credit/Semester: 1
NCAA: No RAI: No

Description: Students will evaluate concepts of self-discovery, goal setting, decision-making, relationships with your family and peers, the decision to marry, problems in marriage and the decision to parent, and to make life and career choices. There will be subject matter in this course on sexual decision making, birth-control and sexually transmitted diseases.

FOREIGN LANGUAGE

Spanish I

Grade Level: 9-12

Terms: 2
Prerequisite: None

Credit/Semester: 1
NCAA: Yes RAI: Yes

Description: This course is designed to provide students with basic Spanish skills such as being able to provide personal information; ask for services or information, etc. Students will learn basic vocabulary and grammar, as well as, an overall knowledge of Spanish speaking countries. This course fulfills one year of college preparatory language requirement. A strong GPA (3.00 and above) is the best predictor for success in the study of foreign languages.

Spanish II

Level: 10- 12

Terms: 2
Prerequisite: Spanish I

Credit/Semester: 1
NCAA: Yes RAI: Yes

Description: This course is designed to provide a general knowledge of the Spanish language. Students will learn about future tenses. This will enable them to talk about future plans. Student vocabulary and grammar skills will be enhanced. This course fulfills the second year of college preparatory language requirement. A minimum “C” grade average in Spanish I is recommended for enrolling in this course.

Spanish III *Terms: 2* *Credit/Semester: 1*
Grade Level: 11,12 *Prerequisite: Minimum of C in Spanish II* *NCAA: Yes RAI: Yes*

Description: This course is designed to improve the communication skills of students. Students will experience real life text and audiovisual material. they could expect to encounter in Spanish-speaking countries. Students will learn advanced grammar, as well as, advanced knowledge of Spanish speaking countries.

Spanish IV *Terms: 2* *Credit/Semester: 1*
Grade Level: 12 *Prerequisite: Minimum of C in Spanish III* *NCAA: Yes RAI: Yes*

Description: This course is designed to master communication skills. Students will be challenged to maintain ongoing communication with Spanish people. In addition, students will acquire advanced knowledge of Spanish-speaking cultures.

GUIDANCE & LEADERSHIP

ACT Prep and Pre-College Readiness *Terms: 1* *Credit/Semester: 1*
Grade Level. 9, 10, 11, 12 *Prerequisite: None* *NCAA: No RAI: No*

Description. This Standardized Test Preparation course helps prepare students for national standardized tests such as the PSAT, SAT, and ACT. In particular, this course assists students in developing and/or expanding their vocabulary, test-taking, and reasoning skills through study, lecture, and practice drills. Course topics may include vocabulary review; root words, prefixes, and suffixes; mathematical concepts, logic, and rules; and general problem-solving and test-taking strategies. In addition to ACT test preparation, this course will provide students an opportunity to become familiar with the language and processes associated with obtaining a postsecondary education diploma or credential by: Assisting students to understand how to plan for postsecondary education while in high school; connecting personal interests and values to college majors and careers; encouraging students to develop a values-driven, decision-making process; and, providing insight on how to pay for college.

Iowa Career & Academic Plan (ICAP) *Terms: Embedded*
Grade Level. 9, 10, 11, 12

Description. This class allows students to create an electronic portfolio designed to fulfill state requirements. To meet these requirements, students will complete assessments and surveys, career research, course plan building, education linkages, and financial aid and career development activities that assist students in their

future. These activities are developmentally appropriate for the grade level of the students. Students can revise their career and educational plans as they mature and learn more about themselves and their interests and abilities. New components of ICAP Plan will be introduced each year and existing entries will be reviewed and revised annually as part of units taught through: English 9, Communications / English 10, American History & American Government

PRIDE Leadership Mentor

Grade Level: 12 (11th Teacher Approved)

Enrollment limit: Determined annually

Terms: 2

Prerequisite: Application

Credit/Semester: .5

NCAA: No RAI: No

Description: This course is designed to strengthen students’ personal and group leadership skills. During this course mentor students will cover such topics as public speaking, effective communication, human relations, organization and management, and group dynamics.

PRIDE Leaders will help young people to start speaking out against bullying, harassment and violence behaviors. Student mentors will be trained in the Mentors in Violence Prevention model (MVP). The MVP model is a “bystander approach” addressing bullying and violence fields. The MVP model utilizes trained student leaders and supportive adults to guide discussions and problem-solving activities around scenarios that depict harassment, bullying and other forms of gender-violence.

During this course students will learn leadership skills to help younger students strengthen their knowledge and capacity to recognize the warning signs of relational and dating abuse, promote healthy relationships by avoiding abusive and violent behaviors, demonstrate gender respect among all peers, and establish a peer culture whereby social norms support active pro-social bystander behaviors that confront bullying and gender violence.

HEALTH & SAFETY

Care and Prevention of Athletic Injuries_

Grade Level: 11, 12

Terms: Every

Enrollment: Limit 12

Credit/Semester: 1

Description: The understanding of the profession of athletic training, the administration of injury prevention techniques and treatment and rehabilitation of athletic injuries.

Health I (Required)

Grade Level: 9,10,11,12

Terms: 1

Prerequisite: None

Credit/Semester: 1

NCAA: No RAI: No

Description: Units in this course include Making Healthy Decisions, Food and Nutrition, Making Healthy Food Choices, Exercise and Lifelong Fitness,, Alcohol, Tobacco, Preventing Drug Abuse, Reproduction and Heredity, Adolescence and Adulthood, Sexually Transmitted Infections and AIDS. This course meets the Health requirement for graduation and aligns with National Health Standards.

Health II
Grade Level: 10, 11,12

Terms: 1
Prerequisite: None

Credit/Semester: 1
NCAA: No *RAI:* No

Description: Units covered in this course include Mental and Emotional Health, Self-Esteem, Managing Stress, Coping with Loss, Preventing Suicide, Methods of Relaxation, Defense Mechanisms, Chronic Diseases and Disabilities, and Careers in Health.

Driver Education
Grade Level: 9,10,11,12

Term: Summer

Prerequisite: Must have valid Driving Permit, preference given to oldest students enrolled.

Description: Driver Education will be offered in the summer for approximately 80 students. There will be a sign-up period held sometime during the second semester for the Summer Driver Education class.

INDUSTRIAL TECHNOLOGY EDUCATION

Auto Mechanics
Grade Level: 10,11,12
Enrollment Limit: 12

Terms: 1
Prerequisite: None

Credit/Semester: 2
NCAA: No *RAI:* No

Description: (Meets for two class periods every day for a semester) This class will cover the automobile systems from bumper to bumper. It is designed to give an overview of the car for consumer awareness, for home handyman care, and as a foundation to a career as an auto mechanic. Units covered will be Engine and Drive-train systems, Brakes, Steering, Fuel Systems, Electrical Systems, Lubrication and Cooling Systems, Tires and Suspension, Buying Used Cars, and Auto Body Work. Recommend having access to a personal vehicle to enhance the lab experience.

Building Trades
Grade Level: 10,11,12
NCAA: No *RAI:* No

Terms: 1
Prerequisite: Construction Trades I & II
Enrollment Limit: 12

Credit/Semester: 1

Description: This Comprehensive course provides students with basic knowledge and skills required for construction of commercial, residential, and institutional structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction-related occupations such as carpentry, cabinetmaking, bricklaying, electrical trades, plumbing, concrete masonry, and so on. Students engage in activities such as reading blueprints, preparing building sites, starting foundations, erecting structures, installing utilities, finishing surfaces, and providing maintenance.

Carpentry
Grade Level: 10,11,12
No RAI: No

Terms: 1
Prerequisite: Home Improvement or Construction Trades I *NCAA:*
Enrollment Limit: 12

Credit/Semester: 1

Description: Carpentry courses provide information related to the building of wooden structures, enabling students to gain an understanding of wood grades and construction methods and to learn skills such as laying sills and joists; erecting sills and rafters; applying sheathing, siding, and shingles; setting door jambs; and hanging doors. Carpentry courses may teach skills for rough construction, finish work, or both. Students learn to read blueprints, draft, use tools and machines properly and safely, erect buildings from construction lumber, perform finish work inside of buildings, and do limited cabinet work. Carpentry courses may also include career exploration, good work habits, and employability skills.

Construction Trades I (Home Improvement)

Grade Level: 9,10,11,12

Enrollment Limit: 12

Terms: 1

Prerequisite: None

Credit/Semester: 1

NCAA: No RAI: No

Description: This course exposes students to the opportunities available in the architecture and construction industry, including occupations such as carpenter, electrician, plumber, heating/air conditioning technician, safety supervisor, architect, engineer, and other occupations. Students learn about the processes involved in construction projects and may engage in a variety of small projects. These courses emphasize responsibilities, qualifications, work environment, rewards, and career paths within construction-related fields.

Construction Trades II

Grade Level: 10,11,12

NCAA: No RAI: No

Terms: 1

Prerequisite: Home Improvement or Construction Trades I

Enrollment Limit: 12

Credit/Semester: 1

Description: This Comprehensive course provides students with basic knowledge and skills required for construction of commercial, residential, and institutional structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction-related occupations such as carpentry, cabinetmaking, bricklaying, electrical trades, plumbing, concrete masonry, and so on. Students engage in activities such as reading blueprints, preparing building sites, starting foundations, erecting structures, installing utilities, finishing surfaces, and providing maintenance.

Exploratory Technology

Grade Level: 9,10,11

Enrollment Limit: 12

Terms: 1

Prerequisite: None

Credit/Semester: 1

NCAA: No RAI: No

Description: Students will explore all areas of industrial education. These areas may include but are not limited to woodworking, basic drafting, vehicle maintenance, small engine and power equipment repair and maintenance, and everyday skills needed for living on your own. Students will need to purchase materials for this class.

Innovation and the Workforce

Terms: 1

Grade Level: 11,12

Enrollment Limit: TBD

Credit/Semester: 1

Prerequisite: None

NCAA: No RAI: No

Students will explore supply chain, advanced manufacturing, problem solving and the iterative process while building an innovative mindset. Students' workforce skills will grow through authentic

experiences in local industries, guest instructors from business and industry, job shadows, tours, hands-on experiences, Kaizens (activities of continuous improvement of all functions and processes from CEO to assembly line, purchasing, logistics, etc.), Lean Management, and other learning experiences.

MATHEMATICS

Pre-Algebra

Grade Level: 9, 10

Terms: 2

Prerequisite: None

Credit/Semester: 1

NCAA: No *RAI:* No

Description: Pre-algebra provides foundation for students to experience success in more advanced courses by reviewing basic math skills while introducing initial algebra concepts. Units include integers; equations and inequalities; rational numbers and proportions; functions, geometry and measurement; and data analysis. Students completing this course may advance to Algebra I.

Algebra I

Grade Level: 9,10,11,12

Terms: 2

Prerequisite: None

Credit/Semester: 1

NCAA: Yes *RAI:* Yes

Description: This course is for those who need algebra to pursue a technical post high school program or college. Units include properties of real numbers; solving linear equations and inequalities; graphing linear equations and inequalities; exponents and exponential functions; polynomials and factoring. Algebra I is a prerequisite for geometry and other advanced math.

Geometry

Grade Level: 9,10,11,12

Terms: 2

Prerequisite: Algebra I

Credit/Semester: 1

NCAA: Yes *RAI:* Yes

Description: Modern geometry helps the student understand the basic structure of mathematics, grow in understanding of the deductive method and in appreciation of the need for precision of language. This course gives knowledge of the methods of coordinate geometry and of the way in which algebra and geometry complement each other.

Algebra II

Grade Level: 9,10,11,12

Terms: 2

Prerequisite: Algebra I

Credit/Semester: 1

NCAA: Yes *RAI:* Yes

Description: This course is an essential class for any student wishing to pursue a post-secondary education. The first half of the class will be geometry concepts, along with concepts introduced in Algebra I: quadratics, higher order polynomials, exponential & logarithmic functions. In the second half of the class, more advanced concepts include probability, statistics, sequences, series, and an introduction to trigonometry. This class is recommended for any student planning on attending any college or university.

Pre-Calculus*Grade Level:* 10, 11,12*Terms:* 2*Prerequisite:* Algebra II*Credit/Semester:* 1*NCAA:* Yes *RAI:* Yes

Description: The first trimester of this course will be spent studying different areas of precalculus. These areas include exponential and logarithmic, conic sections, sequences and series, probability and statistics. The second trimester will study trigonometry: right triangles, Law of Sines, Law of Cosines, graphing sinusoids, solving trigonometric equations, simplifying and verifying trigonometric equations, and studying the sum, difference, double, and half angle formulas. This class is suggested for anyone whose college major is going to require math or science classes.

Practical Math*Grade Level:* 10, 11,12*Terms:* 2*Prerequisite:* None*Credit/Semester:* 1*NCAA:* No *RAI:* No

Description: This course will cover topics such as basic operations with whole numbers, fractions, mixed numbers, decimals, and percent; systems of measurement; signed numbers; exponents and square roots; and basic algebra. Relevant topics will include jobs, checking and savings accounts, credit, taxes, buying a car and house, investments, and probability.

Probability and Statistics*Grade Level:* 10, 11,12*Terms:* 2*Prerequisite:* Algebra II*Credit/Semester:* 1*NCAA:* No *RAI:* No

Probability and Statistics courses introduce the study of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics: discrete probability theory, odds and probabilities, probability trees, populations and samples, frequency tables, measures of central tendency, and presentation of data (including graphs). Course topics may also include normal distribution and measures of variability.

AP Calculus*Grade Level:* 11, 12*Terms:* 2*Prerequisite:* Pre-Calc.*Credit/Semester:* 1*NCAA:* Yes *RAI:* Yes

Description: The primary purpose of this course is to prepare students for success on the AP Calculus AB Exam. Students may then choose either to bypass Calculus I in college or to use their knowledge from this course to help them succeed in Calculus I in college. The students learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Instead of simply getting the right answer, students learn to evaluate the soundness of proposed solutions and to apply mathematical reasoning to real-world models. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena.

MUSIC

Band

Terms: 2

Credit/Semester: 1

Grade Level: 9,10,11,12

NCAA: No RAI: No

Prerequisite: Must have been in Middle School Band or Audition for Instructor

Description: Performing ensembles within the band are Marching Band, Pep Band & Concert Band. Performance opportunities include football half-time shows, marching band festivals, pep rallies & games, home concerts, and state music festivals. A student signing up for band must remain in band for the entire school year. Additional performance opportunities are All-State Band, District Honor Band, State Solo/Small Ensemble, and Jazz Band. Jazz Band meets before school starting after the marching season and is selected on an audition basis.

Jazz Band

Terms: 1

Credit/Semester: 1

Grade Level: 9,10,11,12

Prerequisite: Audition only

NCAA: No RAI: No

Description: This course helps students perform a variety of contemporary styles, such as traditional jazz, jazz improvisation, and rock. At the same time, these courses cultivate students' technique on instruments appropriate to the style(s) performed—brass, woodwind, string, percussion instruments, and/or electronic. These ensembles emphasize instrumental music but may also include vocal music. Advanced coursework provides students with opportunities for growth through rehearsal and performance, improvisation, or creating and performing their own compositions.

Flags (Non-Band Members Only)

Terms: 1

Credit/Semester: 1

Grade Level: 10,11,12

Prerequisite: Audition only

NCAA: No RAI: No

Description: The Flag Corps is an auxiliary rank of the marching band. This group is not exclusively chosen from band students but open to any student. If selected, the student must list "Band" on the first term column of the sign-up sheet. Members of the Flag Corps perform with the marching band at football half-time shows and marching band festivals.

Choir

Terms: 2

Credit/Semester: 1

Grade Level: 9, 10, 11, 12

Prerequisite: None

NCAA: No RAI: No

Description: Mixed Choir is open to any high school student who enjoys singing and wishes to expand knowledge of choral music. A variety of music is sung, choral techniques are developed, and sight-singing skills are fine-tuned. No audition is necessary for the ensemble. Concerts are performed throughout the school year. Additional performance opportunities include All-State Choir, Opus Honor Choir (9th), Honor Choirs, Solo/Ensemble Contest, National Anthem performances and Large Group Contest.

Advanced Music I-Theory

Grade Level: 10,11,12

Terms: 1

Credit/Semester: 1

Prerequisite: Enrollment in choir or band

NCAA: No RAI: No

Description: This course is designed to give music students an in-depth study in music theory. Instruction will be split between intensive performance study and class work in music theory. The class work portion will include written theory, voice training, and ear training.

Advanced Music II- History

Grade Level: 10,11,12

Terms: 1

Credit/Semester: 1

Prerequisite: Enrollment in choir or band

NCAA: No RAI: No

Description: This course is designed to give music students an in-depth study in music history. Students are encouraged to take Advanced Studies of Music I prior to the enrollment of this course. Instruction will be split between intensive class work portions and will include independent reading, ear training and music history.

Modern Music Studies

Grade Level: 10,11,12

Terms: 1

Credit/Semester: 1

Prerequisite: None

NCAA: No RAI: No

Description: This course provides students with an opportunity to learn and apply skills in modern music making, compositional techniques, career paths, history, and other related topics.

PHYSICAL EDUCATION

Advanced Fitness P.E.

Grade Level: 9, 10,11,12

Terms: Every

Enrollment Limit: 30

Credit/Semester: .5

NCAA: No RAI: No

Description: The advanced P.E. class is geared towards incorporating a more in depth understanding of personal fitness. Several aspects of fitness will be covered with an emphasis on weight training and cardiovascular endurance. Plyometric activities will also be covered during the class. Students will set goals and have personal fitness prescriptions to follow for the duration of the class.

Physical Education

Grade Level: 9, 10,11,12

Terms: Every

Credit/Semester: .5

NCAA: No RAI: No

Description: The focus will be primarily on team and individual sport/activities. The following is a list of activities that may be covered throughout the year: team sports, individual/dual sports, recreational sports, fitness/conditioning activities and lifetime activities.

Weights and Conditioning

Grade Level: 9,10,11,12

Terms: Every

Enrollment: Teacher/Coach Discretion

Credit/Semester: 1

Description: This class is geared toward the development of athletes. Several different aspects of athletic success will be covered and used to achieve the goal. Strength, speed, explosiveness, and injury prevention are the main goals this class will reach. Students that have goals of succeeding athletically, will be pushed and developed to do so.

Modified Fitness

Grade Level: 9,10,11,12

Terms: Every

Prerequisite: Doctor or Teacher Rec.

Credit/Semester: .5

NCAA: No RAI: No

Description: This independent study course is conducted with the physical education instructor and physical trainers as mentors. This course enables students to explore topics of interest related to physical education to increase fitness. This independent study courses may serve as an opportunity for students to participate in modified physical education while under medical treatment.

Team Sports PE Exemption

Grade Level: 9,10,11,12

Terms: 1 sem. per year

Prerequisite: Team Involvement

Credit/Semester: .5

NCAA: No RAI: No

Department of Education Ruling: If a student is participating in an “organized and supervised athletic program which requires at least as much participation per week as one-eighth unit of physical education” at some time during one semester, quarter, or trimester in a school year, the student’s principal may excuse the student from physical education for one quarter, semester, or trimester per year, after consultation with the student’s guidance counselor

Description: Team Sports provides students with the knowledge, experience, and opportunity to develop skills in more than one team sport (such as volleyball, basketball, marching band, cheerleading and so on). Students must be enrolled in the school sponsored sport/activity in the term in which the student enrolls.

Physical Education Exemptions

Grade Level: 9,10,11,12

Terms: Every

Prerequisite: Doctor or Teacher Rec.

Credit/Semester: 0

NCAA: No RAI: No

Department of Education Ruling:

- **Mandatory**
 - Medical Exemption. If a parent files a statement signed by a physician or other competent health care provider (e.g., within the scope of the provider’s licensure and authorized practice) that a student is not “physically able” to participate in physical education, then the student is exempt from physical education.
 - Conflict with Religious Belief. If a parent of a student files a written statement with the school principal that a physical education course conflicts with the “pupil’s religious belief,” the student shall be exempt from participation in the physical education course.
- **Discretionary Excusals Available to Students in Twelfth Grade**
 - A high school’s principal has the discretion to grant excusals from physical education to students in the twelfth grade in three instances, if requested by a parent or guardian in writing. These excusals need not be available on demand, and a school may set reasonable conditions on receiving one of these excusals. The principal must be rational and evenhanded in granting or denying requested excusals. The principal must carefully balance all factors when determining whether to grant these excusals.
 - A principal may not grant any of these excusals until the principal has received a written request from a student’s parent or guardian. These excusals are to be considered on a student-by-student basis.
- **Off-Campus Educational Program.**
 - If a twelfth-grade student is enrolled in a “work-based learning program or other educational program authorized by the school” requiring the student’s absence from school premises during the school day, the principal may excuse the student from the physical education requirement.
- **Academic Course Not Otherwise Available.**

- If a twelfth-grade student seeks to enroll in “academic courses not otherwise available to the student,” the student’s parent may request excusal from physical education, in writing.

SCIENCE

Physical Science (Required)

Grade Level: 9

Terms: 2

Prerequisite: None

Credit/Semester: 1

NCAA: Yes RAI: Yes

Description: This course focuses on investigations in chemistry and physics. It is designed to give students basic knowledge in these two science disciplines and apply knowledge through the use of technology.

Biology (Required)

Grade Level: 10,11,12

Terms: 2

Prerequisite: None

Credit/Semester: 1

NCAA: Yes RAI: Yes

Description: Biology is the study of living things. Focus in the course will include, but not limited to Ecosystems, Population Dynamics, Cell Structure/Function, Cell Growth and Division, Photosynthesis, Cellular Respiration, Mendelian Genetics, DNA and Genetic Engineering. Models, projects, labs and student presentations will be infused.

Wildlife Biology

Grade Level: 10, 11, 12

Term: 1

Credit/Semester: 1

Description: This course studies the life history of vertebrates, invertebrates, plants and trees native to the Midwest. Flora and fauna endemic to Iowa will be a primary focus. Students will learn about the unique biodiversity found in Iowa's prairie and temperate deciduous forest systems. This course will seek to explore careers in the natural resources field.

Chemistry

Grade Level: 10, 11,12

Terms: 2

Prerequisite: Algebra I

Credit/Semester: 1

NCAA: Yes RAI: Yes

Description: Chemistry is the study of the structure and properties of matter. The following areas will be covered: measurements, problem solving, scientific notation, chemical formulas and equations, the mole concept, the Periodic Table, atomic properties and structure, gas laws, acids and bases, with an introduction to organic and biochemistry.

Advanced Chemistry

Grade Level: 11, 12

Terms: 2

Credit/Semester: 1

NCAA: Yes RAI: Yes

Prerequisite: Successful completion of Chemistry with a grade of a B or higher

Description: Chemistry is the study of the structure and properties of matter. The following areas will be covered: acids and bases, aqueous systems, thermochemistry, reaction rate and solubility, redox reactions,

organic chemistry, biochemistry, with an introduction to nuclear chemistry. Emphasis will be placed on inquiry-based labs and techniques, as well as in-depth problem-solving strategies.

Fundamentals of Physics

Terms. 1

Credit/Semester:1

Grade Level. 10, 11,12

Enrollment Limit. 12 *Prerequisite.* Algebra 1

NCAA: No RAI: No

Description. This course integrates applied aspects of Mathematics, Physics. The course emphasizes laboratory hands-on learning combined with more traditional problem solving and textbook instructional strategies. The concepts studied are chosen for application in the “real world” of engineering and manufacturing. Students are expected to have finished a minimum of one year of science.

Physics

Terms: 2

Credit/Semester: 1

Grade Level: 11, 12

Prerequisite: Algebra III/consent of the instructor

NCAA: Yes RAI: Yes

Description: This course consists of the study of the relation between matter and energy. The energies studied are mechanical, light, sound, heat and electricity. Emphasis is placed on problem solving, application of acquired math skills, and use of physics in technology.

Basic Anatomy

*Terms.*1

Credit/Semester:1

Grade Level: 10, 11,12

Prerequisite: Biology NCAA: Yes RAI: Yes

Description: This course consists of the study of the structure of the primary body systems. Units will include the anatomic names of human body parts of the skeletal, muscular, nervous, cardiovascular and digestive systems, as well as studying the integumentary system and the senses.

Anatomy and Physiology w/ Lab

Terms: 1 or 2

Credit/Semester:1

Grade Level: 11,12

Prerequisite: “B” in Biology or teacher rec. NCAA: Yes RAI: Yes

Description: This course consists of the study of function and structure of cells, tissues and body systems. Primary units include the anatomic names of human body parts, the support systems (skeletal, muscular and integument), the regulating functions (nervous and senses), the transportation and nourishing functions (cardiovascular and digestive) and how the human body obtains oxygen and maintains body fluids (respiratory and urinary). This course is targeted for student planning to pursue a career in nursing or other medical professions.

Forensic Science

Term: 1

Credit/Semester: 1

Grade Level: 10, 11, 12

Description: This course focuses on the skills and concepts behind the aspects of forensic science. This course covers the history of forensic science and the strategies used in a crime scene. Labs are used to further student engagement, knowledge, and the processes that are used by a forensic scientist.

Earth and Space Science

Grade level: 9, 10, 11,12

Terms: 1

Prerequisite: None

Credit/Semester:1

NCAA: Yes RAI: Yes

Description: This course investigates how human needs are met by our biosphere and our interactions with it. Units include mineral compositions & formations, energy resources, plate tectonics, the geologic time, the solar system and beyond our solar system.

Launching into Aerospace

Grade Level: 9, 10, 11, 12

Terms: 1

Prerequisite:None

Credit/Semester: 1

NCAA: No RAI: No

Description: This course will provide the foundation for an advanced exploration in the areas of flying aerospace engineering, and unmanned aircraft systems. Students will learn about engineering practices, problem solving, and the innovations and technological developments that have made today's aviation and aerospace industries possible. Students will also learn about the wide variety of exciting and rewarding careers available to them. This course will inspire students to consider aviation and aerospace careers while laying the foundation for continued study.

Exploring Aerospace

Grade Level: 9, 10, 11, 12

Terms: 1

Prerequisite:None

Credit/Semester: 1

NCAA: No RAI: No

Description: This course will continue to provide the foundation for an advanced exploration in the areas of flying aerospace engineering, and unmanned aircraft systems. Students will learn about engineering practices, problem solving, and the innovations and technological developments that have made today's aviation and aerospace industries possible. Students will also learn about the wide variety of exciting and rewarding careers available to them. This course will inspire students to consider aviation and aerospace careers while laying the foundation for continued study.

SOCIAL STUDIES

World History (Required)

Grade Level: 9

Terms: 2

Prerequisite: None

Credit/Semester: 1

NCAA: Yes RAI: Yes

Description: This course will provide an overview of the history of human society from the southern Renaissance in Europe to the contemporary period. It will examine political, economic, social, religious, military, scientific, and cultural developments—including an overview of world geography in order to explore geographical concepts and the importance of geography. Students will explore the events, concepts, and relationships that began thousands of years ago that continue to have impact on contemporary life today.

American History (Required)*Grade Level:* 10, 11, 12*Terms:* 2*Prerequisite:* None*Credit/Semester:* 1*NCAA:* Yes *RAI:* Yes

Description: This course is the study of American history starting at the end of the American Civil War in 1865 with Reconstruction. The goal of this class is to explore the impact of history in social, political and economic changes that led to conflict and influenced the development of the United States today. Major time periods studied are Reconstruction, the Progressive Era, World War I, the 1920s, the Great Depression, World War II into the Vietnam Era.

American Government (Required)*Grade Level:* 12*Terms:* 1*Prerequisite:* None*Credit/Semester:* 1*NCAA:* Yes *RAI:* Yes

Description: American Government will engage the student in an examination of the principles of the American Constitution and evolution of American political thought. The structure and activities of government are also surveyed to help students become more aware of government in action. Students are challenged to develop their awareness of citizenship and participation in political activity.

Current Issues/American History*Grade Level:* 11,12*Terms:* 1*Prerequisite:* None*Credit/Semester:* 1*NCAA:* Yes *RAI:* Yes

Description: This is a continuation of American History B combined with a look at current issues the United States faces today. Students will study places, people and events that impacted the history of the United States following WWII. Students will examine social, political and economic influences of the United States from both a historical and modern perspective. Sources outside class such as the internet, print and television will be used to relate today to the past.

Economics*Grade Level:* 11,12*Terms:* 1*Prerequisite:* None*Credit/Semester:* 1*NCAA:* Yes *RAI:* Yes

Description: This course focuses on developing the student's notion of the forces that influence the production, distribution, exchange and consumption of goods and services. The basic principles and practices of economics are emphasized to enhance the student's comprehension of the free enterprise capitalistic economy of the United States. This course is suggested as being of value for students that plan to study business or economics in college.

Geography *Terms:* 1*Grade Level:* 9,10,11,12*Credit/Semester:* 1*Prerequisite:* None*Credit/Semester:* 1*NCAA:* Yes *RAI:* Yes

Description: This course deals with the physical and human geography of countries. The study and application of the five themes of geography will be used as students explore different countries. Political, social, physical and economic relationships of different countries are researched and compared to other places around the world.

Human Behavior
Grade Level: 10,11,12

Terms: 1
Prerequisite: None

Credit/Semester: 1
NCAA: Yes RAI: Yes

Description: This course covers the basic concepts of human behavior, including the development of personality, emotions, motivation, and perception. Students learn about the many influences that may affect human behavior. Students will examine results of important research and major theoretical concepts, and the students will learn about some of the people who have made significant contributions to the field of psychology. Within this course, students will be able to speak, write, and simply observe their own behavior and the behaviors of others around them in a more meaningful way.

Sociology
Grade Level: 10,11,12

Terms: 1
Prerequisite: None

Credit/Semester: 1
NCAA: Yes RAI: Yes

Description: The study of sociology provides students with the basic tools they need to develop a sociological imagination. The focus is on the individual, group, and society and the social processes that create them. The sociological imagination is the ability to see the connection between the larger world and our personal lives. The development of a sociological imagination enables the students to examine how society shapes human actions and beliefs, and how such actions and beliefs in turn shape society. The course will also focus on the formal organizations and social institutions of society.

Street Law
Grade Level: 10,11,12

Terms: 1
Prerequisite: None

Credit/Semester: 1
NCAA: No RAI: No

Description: Street Law teaches students the workings of the US criminal and civil justice systems, including understanding of civil and criminal law and the legal process, the structure and procedures of courts, and the role of various legal or judicial agencies. It may also cover the history and foundation of US law (the Constitution, statutes, and precedents), including contemporary problems in criminal justice systems.

(Not Currently Offering at this time) Foundations of Diversity, Equity, and Inclusion Terms: 1
Credit/Semester: 1

Grade Level: 10,11,12

Prerequisite: None

NCAA: No RAI: No

Description: Foundations of Diversity introduces students to key concepts of identity, bias, power, privilege and oppression. This course establishes the importance of ally behavior, self-care, and creating inclusive spaces. This class will prepare students to succeed in a diverse global society while promoting equity, equality, and inclusion.

VISUAL ART

Introduction to Art I
Grade Level: 9,10,11,12
Enrollment Limit: 20

Terms: 1
Prerequisite: None

Credit/Semester: 1
NCAA: No RAI: No

Description: This is an introductory course in the visual arts that has been designed for students of all artistic ability levels who enjoy drawing and learning about art. In this course, students will learn about communicating through images and designs, about creative problem solving in art and developing better drawing and shading techniques. Students will be introduced to different mediums such as pencil, colored pencil, ink & watercolor.

Introduction to Art II

Grade Level: 9,10,11,12

Enrollment Limit: 15

Terms: 1

Prerequisite: Art I

Credit/Semester: 1

NCAA: No *RAI:* No

Description: This is an introductory course in visual arts that has been designed for students of all artistic ability levels who enjoy printmaking and working with clay. Students will learn about communicating through images and designs. The student will also deal with creative problem-solving techniques and ideas. Students will be introduced to different mediums such as: ink and clay.

Art Portfolio

Grade Level: 12

Prerequisite: Completion of all art courses, cumulative art subject GPA of 3.33 or above, and teacher permission.

Terms: 1 or 2

Credit/Semester: 1

NCAA: No *RAI:* No

Description: This course is designed for students who are motivated to pursue their own art interests. During each term, students will have designated drawing times for drawing skill development, service projects which benefit the art program and the school, and the opportunity to follow their own studio interests. Each student will be expected to buy his/her own supplies if the school does not have desired materials on hand.

Ceramics

Grade Level: 10,11,12

Enrollment Limit: 15

Terms: 1

Prerequisite: Intro to Art II

Credit/Semester: 1

NCAA: No *RAI:* No

Description: Ceramics/Pottery courses provide students with a foundation in the history of ceramics, with an emphasis on critique, aesthetic inquiry, and creative production. These courses provide knowledge of ceramic techniques (e.g., kiln firing and glazing) and processes, with a focus on creative design and craftsmanship. Courses may include clay modeling, hand building, coil building, casting, and throwing on the potter's wheel.

Digital Art

Grade Level: 9, 10,11,12

Enrollment Limit: 12

Terms: 1 or 2

Credit/Semester: 1

NCAA: No *RAI:* No

Description: This is an introduction to digital mediums. Students should have a good general understanding of the elements of art, computer technology and photography. Students will explore digital drawing/ painting from

photographs via student I pads. Students will learn layer masking and blending in Adobe Photoshop to complete photo manipulation and compositing. Due to the limited computers with Adobe Photoshop on them students may need to work outside of class hours to complete assignments.

Drawing

Grade Level: 9,10,11,12

Enrollment Limit: 20

Terms: 1

Prerequisite: None

Credit/Semester: 1

NCAA: No *RAI:* No

Description: In Drawing, students will learn and refine basic drawing techniques such as shading, creating the illusion of depth, etc. During the term, there will be an emphasis on drawing the human figure, animals, landscapes and various still lives. Students will concentrate on improving their drawing and shading techniques along with learning the value of color through the use of color pencils and oil pastels.

Painting

Grade Level: 10,11,12

Enrollment Limit: 15

Terms: 1

Prerequisite: Intro to Art I

Credit/Semester: 1

NCAA: No *RAI:* No

Description: This course is designed to explore the world of painting in greater depth. Students will refine their sketching techniques and work with tempera paint, acrylic and watercolors.

Photography - Digital

Grade Level: 9,10,11,12

Enrollment Limit: 12

Terms: 1

Prerequisite: None

Credit/Semester: 1

NCAA: No *RAI:* No

Description: This is an introduction to digital photography. A manual DSLR camera will be needed to complete the course work. Depending on course enrollment there will be a few DSLR cameras that can be checked out. Students will learn basic camera manipulation for creative expression. Students will use Adobe Photoshop techniques to increase their creative expression. Due to the limited computers with photoshop on them and the number of DSLR camera students, students may need to work outside of class hours to complete assignments.

Photography - Film

Grade Level: 9,10,11,12

Enrollment Limit: 12

Terms: 1

Prerequisite: None

Credit/Semester: 1

NCAA: No *RAI:* No

Description: This is an introduction to analog black and white film photography. Students will learn basic camera manipulation for creative expression. Students will process film and enlarge photos via darkroom using chemicals. Having your own 35mm SLR camera is beneficial but not required. Students will need to be willing to cover the cost of their own film and be willing to photograph outside of class hours.

Yearbook

Grade Level: 9, 10,11,12

Enrollment Limit: 12

Terms: 1 or 2

Credit/Semester: 1

NCAA: No *RAI:* No

Description: This course is designed to allow students to create, design, and manufacture the school's annual yearbook. Students will be taking photos, writing articles, reaching out to business for advertising, and working with a company to create the annual.

IOWA ONLINE ADVANCED PLACEMENT ACADEMY



Clarinda High School provides students an opportunity to take advanced placement courses online through Apex Learning. Each course has a series of prerequisites students must complete before being eligible to enroll. Students participating in is program receive high school credit and have an opportunity to take a national AP exam in the spring. Students scoring 3 or higher, on a scale of 1 to 5, may be awarded college credit from the college that he/she attends.

AP Courses offered online list: [Click here](#)

Advanced Placement Course Offered at Clarinda

AP Calculus

Terms: 2

Credit/Semester: 1

Grade Level: 11, 12

Prerequisite: Pre-Calc.

NCAA: Yes *RAI:* Yes

Description: The primary purpose of this course is to prepare students for success on the AP Calculus AB Exam. Students may then choose either to bypass Calculus I in college or to use their knowledge from this course to help them succeed in Calculus I in college. The students learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Instead of simply getting the right answer, students learn to evaluate the soundness of proposed solutions and to apply mathematical reasoning to real-world models. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenome.

COLLEGE CLASSES WHILE IN HIGH SCHOOL

Senior Year Plus Ruling

Enacted by the legislature in 2008, Revised in 2014, Senior Year Plus was created to provide increased and more equal access to college credit and advancement placement courses. Courses delivered through Senior Year Plus provide students the opportunity to take a rigorous college curriculum and receive, in many cases, both high school and college credit concurrently.

Any student interested in a Senior Year Plus enrollment option should make an application in writing to the school through the counselor or principal before enrolling. Authorization for approval of courses, institution, credit, and payment for courses must be obtained from the Board of Education in advance of the pursuance of concurrent enrollment options or the district assumes no responsibility or obligation.

For Senior Year Plus options approved in advance by the Board of Education, the district shall pay a tuition reimbursement amount to an eligible post-secondary institution that has enrolled its resident eligible pupils as prescribed by law.

If a student drops after the official date stated by the high school (CCSD aligns with IWCC official drop dates), the student will be assigned a grade of “F” for that course and appear on the high school transcript as such. The grade may not be reflected on the college transcript, however. All courses taken through Senior Year Plus at school expense or as part of a students minimum course load will be added to the students high school transcript and grades earned will be used when calculating high school GPA and class rank.

Any parent or student desiring more information or application forms about Senior Year Plus should contact the counselor or principal. Rules written by the Department of Education for guidance on November 11, 2009 and issued to community colleges, superintendents and via the Department of Education website. www.iowa.gov/educate. Click on the Senior Year Plus link on the left side and you will be taken to several PDF documents of the rules.

Important Points

New Terminology: Dual enrollment, concurrent enrollment

Student eligibility: Must meet criteria of institution including test scores and course prerequisites. In order to participate in the program, a student must have demonstrated proficiency in reading, math & science as evidenced by achievement scores on The Iowa Statewide Assessment of Student Progress (ISASP). IF the student is not proficient in one or more of the content areas, the school board may establish alternative but equivalent qualifying performance measures. These may include, but are not limited to, portfolios of student work, student performance rubric, or end of course assessments. This may include additional placement testing such as ASSET, COMPASS, or ACT.

The instructor shall meet the standards and requirements set forth with other full-time instructors teaching within the academic department which are required to meet and which are approved by the appropriate post-secondary administration. Instructors may not be under suspension or revocation of license and must have passed a background check.

Information on the program shall be made available to all students and parents.

Participation in the courses is open to all qualified 9-12 graders. Institutions shall not place restrictions on participation in Senior Year Plus programming beyond that, which is specified in statute or administrative rule. For example: a school district may not require a student to exhaust the school district curriculum prior to enrollment in SYP courses, may not limit students to enrollment in only one course per semester, may not place additional restrictions beyond institutional requirements (i.e. GPA minimums) and may not limit courses to be taken only during a certain time of day.

Students may not be enrolled full time in any one institution for SYP programming. Full time is defined as 24 or more credits in one academic year, not including summer term.

SYP courses cannot be used to supplant high school courses (see page 25 Accreditation Standards). CTE concurrent enrollment courses can be used as part of the offer & teach sequence, but if so, they are not eligible for supplemental weighting.

***Note to students and parents: Remember when registering for an IWCC course in any of these program options, the student is taking a college course. This means he/she might be beginning or adding to a college transcript. Low or failing grades could affect future financial aid eligibility, athletic eligibility, G.P.A., and/or class rank.**

“Supplement, Not Supplant”

“The school district shall certify annually to the department of Education that the courses provided to the high school student for postsecondary credit in accordance with this chapter supplements, and does not supplant, a course provided by the school district in which the student is enrolled.” ~Iowa Code: (281 – IAC 22.4(2))

Iowa Western Community College – Clarinda Center Fall 2021 College Early Start Schedule

IWCC – Course Descriptions:

All course descriptions available at <https://catalog.iwcc.edu/content.php?catoid=3&navoid=91>
Iowa Western Community College – Clarinda Center Fall 2021 College Early Start Schedule

Monday / Wednesday / Friday Schedule

August 2021

	Monday	Tuesday	Wednesday	Thursday	Friday
7:30-9:20	Gas Metal Arc Welding (WEL 256 HY300)		Gas Metal Arc Welding (WEL 256 HY300)		Gas Metal Arc Welding (WEL 256 HY300)
8:00 – 10:00	Intro to Crop Science (AGA 181 IWHY3)				
10:00 – 12:00	Survey of the Animal Industry (AGS 113 IWHY3)				
9:00 – 11:45	A&P 1-Lab (BIO 168 IW300) Clarinda		A&P 1-Lecture (BIO 168 IW300) Shenandoah		
12:20 – 3:00	Human Biology – Lab (BIO 157 IW300) Clarinda		Human Biology – Lecture (BIO 157 IW300) Clarinda		
12:20-1:10	Comp I (ENG 105 300)		Comp I (ENG 105 300)		Comp I (ENG 105 300)
1:20-2:10	Intro to Psych (PSY 111 IW300) Comp I (ENG 105 301)		Intro to Psych (PSY 111 IW300) Comp I (ENG 105 301)		Intro to Psych (PSY 111 IW300) Comp I (ENG 105 301)
1:45-3:30	Nurse Aid (HSC 172 300) *				Nurse Aid (HSC 172 300)
2:20-3:10	Developmental Psychology (PSY 121 IW310)		Developmental Psychology (PSY 121 IW310)		Developmental Psychology (PSY 121 IW310)

Classes in Red indicate CTE classes! Updated: 8/6/2021 * A background check and TB test must be submitted before the first day of class.

Tuesday / Thursday Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
7:30-8:00		Intro to Welding Safety & Health of Workers (WEL 228 300)		Intro to Welding Safety & Health of Workers (WEL 228 300)	
8:05 – 9:20		Arc Welding (WEL 149 300)		Arc Welding (WEL 149 300)	
8:00-10:00		Farm Business Management (AGB 330 IWHY3)			
10:30-11:45		Developmental Psychology (PSY 121 IW300)		Developmental Psychology (PSY 121 IW300)	
12:20-1:35		Foundations of Education (EDU 210 IW300) Introduction to Ethics (PHI 105 300) Technical Mathematics (MAT 743 IW300) Statistics (MAT 157 IWH30)		Foundations of Education (EDU 210 IW300) Introduction to Ethics (PHI 105 300) Technical Mathematics (MAT 743 IW300) Statistics (MAT 157 IWH30)	
1:45-3:00		US History to 1877 (HIS 151 IW300)		US History to 1877 (HIS 151 IW300)	

Classes in Red indicate CTE classes! Updated: 8/6/2021

Career and Technical Certificate Programs and Pathways Offered at the Clarinda Center

Nurse Aid Certificate – 1 Semester

Course	Credits	Schedule
HSC 172 - Nurse Aide	3.0 Credits	M/F 1:45 – 3:00
HSC 113 - Medical Terminology	2.0 Credits	Online

Welding Certificate – 2 Semesters

Course	Credits	Schedule
WEL 228 - Introduction to Welding, Safety, and Health of Workers	1.0 Credit(s)	TTH 7:30-8:00
WEL 233 - Print Reading and Welding Symbol Interpretations	3.0 Credit(s)	Spring, 2022
WEL 149 - Arc Welding	3.0 Credit(s)	TTH 8:05-9:20
WEL 256 - Gas Metal Arc Welding	4.5 Credit(s)	MWF 7:30-9:20
WEL 259 - Oxy-Acetylene Arc Welding	1.0 Credit(s)	Spring, 2022
WEL 192 - Gas Tungsten Arc Welding	4.0 Credit(s)	Spring, 2022

Agribusiness Admin Certificate – 2 Semesters

Course	Credits	Schedule
AGA 181-Introduction to Crop Science	3.0 Credit(s)	M 8:00-10:00
AGS 113-Survey of the Animal Industry	3.0 Credit(s)	M 10:00-12:00
AGB 330-Farm Business Management	3.0 Credit(s)	T 8:00-10:00
AGB 101-Agricultural Economics	3.0 Credit(s)	Spring, 2022

AGB 466-Agricultural Finance	3.0 Credit(s)	Spring, 2022
MAT 711-Business & Financial Math*	3.0 Credit(s)	Spring, 2022

* Can substitute MAT 102 Intermediate Algebra

IWCC Prep Nursing (Nursing Program Prerequisites) – Not a certificate

Course	Credits	Schedule
ENG 105 - Composition I	3.0 Credit(s)	MWF 12:20-1:10 or 1:20-2:10
PSY 121 – Developmental Psychology	3.0 Credit(s)	TTH 10:30 – 11:45; MWF 2:20-3:10
BIO 157 – Human Biology (only if no HS A&P)	4.0 Credit(s)	W Lecture 12:20-3:00 M Lab 12:20-2:10
BIO 168 – A&P I (Prerequisite: One-year HS A&P or Bio 157)	4.0 Credit(s)	W Lecture 9:00-11:45 M Lab 9:00-11:45
BIO 173 – A&P II (Prerequisite: BIO 168)	4.0 Credit(s)	Spring, 2022
HSC 172 - Nurse Aide (Or required active CNA License)	3.0 Credits	M/F 1:45 – 3:00

IWCC – Course Descriptions:

All course descriptions available at <https://catalog.iwcc.edu/content.php?catoid=3&navoid=91>

Intro to Welding Safety & Health of Workers	Introduction to Welding, Safety and Health of Workers will provide students with an orientation of the welding profession and will cover the basics of safety and health within the welding profession.
Arc Welding	Arc Welding covers the fundamentals and technical knowledge of arc welding in the flat position on mild steel with different rods on different thicknesses of metal. Welding safety practices are also stressed.
Gas Metal Arc Welding	Gas Metal Arc Welding (GMAW) covers safety and GMAW techniques in flat, horizontal, vertical and overhead positions. This course provides a variety of hands-on projects/experiments in the laboratory setting.
Nurse Aid	Nurse Aide is the 75-hour certified nurse aide (CNA) course. It allows students to meet the training requirements of the Omnibus Budget Reconciliation Act of 1987 (OBRA) for nurse aides working in nursing facilities and skilled nursing facilities. Emphasis in the course is on achieving a basic level of knowledge and demonstrating skills to provide safe and effective resident care.
Medical Terminology	Medical Terminology studies terms used in medicine. This course gives students a working knowledge of the roots, prefixes and suffixes of commonly used medical terms. Emphasis centers on the correct spelling and pronunciation of the vocabulary.
Introduction to Crop Science	Introduction to Crop Science covers the basic structure and function of plants, origin and classification, growth and development. Additional topics include fundamentals of photosynthesis, plant water use, plant nutrition and genetics that regulate plant growth, development and responses to the environment.

Farm Business Management	Farm Business Management examines the business and economic principles applied to decision-making and problem-solving in the management of a farm business. Students learn about cash flow, partial, enterprise, and whole farm budgeting. Additional topics include: information systems for farm accounting, analysis, and control; obtaining and managing land, capital, and labor resources; and alternatives for farm business organization and risk management.
Survey of Animal Industry	Survey of the Animal Industry introduces students to the various species and breeds of domestic animals and it creates an understanding of the principles of food animal production, product marketing and issues confronting the animal industry.
Agricultural Economics	No description available.
Agricultural Finance	No description available.
Business and Financial Mathematics	Business and Financial Mathematics deal with basic mathematical skills used in business operations. Topics include cash and trade discounts, markups, overhead applications, commissions, simple interest, compound interest, annuities, business and consumer loans, depreciation, inventory, payroll, and financial statements. Note(s): This course does not count toward the A.A. and A.S. science and mathematics requirement.
Technical Mathematics	Technical Math includes operations with real numbers, use of fractions, ratios, measurement conversion, algebraic equations, functions, geometry, and right angle trigonometry. Applications are designed to the program specific needs that students encounter in industrial settings.
Human Biology	Human Biology is designed for non-science majors or as a prerequisite for higher-level anatomy and physiology courses. It focuses on the following areas: the molecular and cellular basis of human life; the integration of humans and the biosphere; the structure and function of human tissues, organs and organ systems; and the principles of genetics and human development. Laboratory work complements each topic of study
A&P 1-Lec	Human Anatomy and Physiology I covers the structure and function of the human body from the cellular level to organ systems. Topics at the cellular level include the fundamental basics of chemistry, cell structure and cellular metabolism, genetics, and histology. The organ systems studied are the skin and integumentary system, the skeletal and muscular systems, the nervous system, and the special senses. Laboratory work complements each topic of study. (3/3) Prerequisite: A grade of "C" or higher in Human Biology. Or, a grade of "C" or higher in one year of high school anatomy and physiology earned within the last two years.
Foundations of Education	Foundations of Education brings students into contact with the numerous facets and issues involved in American elementary and secondary education. Students learn about teaching as a profession, the philosophy of education, education in the historical context, curriculum development, and contemporary issues facing the public and educators.
Composition I	Composition I focuses on complex essays composed in various rhetorical modes of expository writing. Students develop experience using the writing process when composing fully developed, organized essays. The emphasis in this course is on the formal or academic style of writing that has a clear and analytical focus. Documentation formatting is introduced with the culmination of a thesis-driven, researched argumentative essay. Extended readings and discussions in class enhance more mature critical thinking abilities required of any college reader and writer. (3/0)
US History to 1877	U.S. History to 1877 covers the historical development of America. Topics include the Native American background, the Age of Discovery and Exploration, the Colonial Era, the

	Revolutionary Period, the Federal Era, the Age of Jackson, Manifest Destiny, and the Civil War and Reconstruction.
Statistics	Statistics introduces descriptive and inferential statistics. Topics include the binomial, normal, student-t and chi-square distributions, descriptive measures, probability, hypothesis testing, estimation and linear regression. (4/0) Prerequisite/Co-requisite: Statistics Success or Math placement.
Intro to Psych	Introduction to Psychology provides an introduction to the subject matter, terminology, basic research findings, and current topics of interest in scientific psychology. Students explore the biological foundations of human behavior, social-environmental influences, and intra-psychic elements, including perception, consciousness, personality, and motivation. A holistic approach is used to understand abnormal behavior, human growth and development, health, stress, and coping.
Developmental Psychology	Developmental Psychology examines the life span of humans from conception through death. It looks at the various traditional stages (prenatal, neonatal, infancy, early childhood, late childhood, adolescence, adulthood, old age) and explores various aspects, viewpoints, and research.
Introduction to Ethics	Introduction to Ethics examines the Kantian, Utilitarian, and Virtue principles of moral decision-making. Those principles are then used to analyze such issues as hunger, poverty, drugs, environmental problems, racism, abortion, euthanasia, and the economic and criminal justice systems.

ART 125 - Digital Media

3.0 Credit(s)

Lecture 3

Lab/Clinical 0

Digital Media introduces students to the use of digital technology as a practical and creative tool within the artistic process. Students explore a variety of digital resources and how they can be used to document, create and present artwork. Content includes image capturing and manipulation, a foundational understanding of creative software programs and finalizing digital content for presentation.

ENG 105 - Composition I

3.0 Credit(s)

Lecture 3

Lab/Clinical 0

Composition I focuses on complex essays composed in various rhetorical modes of expository writing. Students develop experience using the writing process when composing fully developed, organized essays. The emphasis in this course is on the formal or academic style of writing that has a clear and analytical focus. Documentation formatting is introduced with the culmination of a thesis-driven, researched argumentative essay. Extended readings and discussions in class enhance more mature critical thinking abilities required of any college reader and writer.

Prerequisite(s): A grade of “C” or higher in [ENG 084 - College Preparatory Writing](#), or writing placement.

ENG 106 - Composition II

3.0 Credit(s)

Lecture 3

Lab/Clinical 0

Composition II follows Composition I with advanced readings and practice in academic discourse. In this course, students learn to construct rhetorically sound arguments. The course emphasizes academic research and responsible use of sources.

Prerequisite(s): A grade of “C” or higher in [ENG 105 - Composition I](#).

ENG 110 - Writing For The Workplace

3.0 Credit(s)

Lecture 3

Lab/Clinical 0

Writing for the Workplace prepares students for the various types of written communication required by professional employers. In this class, students learn how to write informal and formal documents and reports in the design and style of career-related communication. This course also includes a review of grammar and usage skills, as well as emphasizes effective language use in real-world applications.

SPC 112 - Public Speaking

3.0 Credit(s)

Lecture 3

Lab/Clinical 0

Public Speaking analyzes the fundamentals of oral communication. It covers lectures, readings, and applications of the six principal aspects of public speaking: the speaker, the audience, thought and content, organization, language, and delivery. It also examines the basic principles of small group communication: leadership, the decision-making process, and individual participation in a small group.

PSY 111 - Introduction to Psychology (Spring 2022)

3.0 Credit(s)

Lecture 3

Lab/Clinical 0

Introduction to Psychology provides an introduction to the subject matter, terminology, basic research findings, and current topics of interest in scientific psychology. Students explore the biological foundations of human behavior, social-environmental influences, and intra-psychic elements, including perception, consciousness, personality, and motivation. A holistic approach is used to understand abnormal behavior, human growth and development, health, stress, and coping.

HSC 172 - Nurse Aide

3.0 Credit(s)

Lecture 2

Lab/Clinical 1

Internship 2

Nurse Aide is the 75-hour certified nurse aide (CNA) course. It allows students to meet the training requirements of the Omnibus Budget Reconciliation Act of 1987 (OBRA) for nurse aides working in nursing facilities and skilled nursing facilities. Emphasis in the course is on achieving a basic level of knowledge and demonstrating skills to provide safe and effective resident care.

CAD 139 - Introduction to CAD/CAM

3.0 Credit(s)

Lecture 3

Lab/Clinical 0

Introduction to CAD/CAM demonstrates the integration of Computer-Aided-Design (CAD) and Computer-Aided-Manufacturing (CAM). Students learn modern prototyping and machining methods, the use of specific software for converting 2D and 3D CAD drawing geometry directly into toolpath information used to drive numerically controlled turning and milling machines.

CSC 114 - Introduction to Information Technology

3.0 Credit(s)

Lecture 3

Lab/Clinical 0

Introduction to Information Technology examines computer hardware and software, computer networking, and data analysis and communication. Business case problems are used to introduce students to the general concepts of computers and information technology. Students work extensively in teams to collaborate and design solutions to business case problems using case-based problem methodology.

CSC 121 - Operating Systems

3.0 Credit(s)

Lecture 3

Lab/Clinical 0

Operating Systems is a hands-on course introducing the concepts of operating systems, including process, memory and storage management, protection, security and distributed systems. Students learn basic command line tools, scripting, file management and commands for several different operating systems.

CIS 207 - Fundamentals of Web Programming

3.0 Credit(s)

Lecture 3

Lab/Clinical 0

Fundamentals of Web Programming teaches how to create, design, publish, and maintain a web site. Students learn HTML, DHTML and CSS using web site creation software. Design considerations such as usability, download time and aesthetics are emphasized.

CIS 127 - Introduction to Programming

3.0 Credit(s)

Lecture 3

Lab/Clinical 0

Introduction to Programming uses programming languages to teach the basics of good programming and algorithm development, with emphasis on logic, functions, debugging and graphical user interfaces.

CON 170 - Building Construction Techniques I

6.0 Credit(s)

Lecture 0

Lab/Clinical 18

Building Construction Techniques I provides the practical application of selected construction techniques. It covers preparation and flat concrete work as well as fundamentals of block laying and bricklaying techniques as they relate to basic construction.

CON 348 - Supervision and Leadership in Building Construction

3.0 Credit(s)**Lecture 3****Lab/Clinical 0**

Supervision and Leadership in Building Construction provides skills needed by professional contractors/carpenters. Students participate in eight seminar-style projects conducted by industry professionals.

MAT 743 - Technical Math**3.0 Credit(s)****Lecture 3****Lab/Clinical 0**

Technical Math includes operations with real numbers, use of fractions, ratios, measurement conversion, algebraic equations, functions, geometry, and right angle trigonometry. Applications are designed to the program specific needs that students encounter in industrial settings.

PEC 161 - Sports Officiating**3.0 Credit(s)****Lecture 3****Lab/Clinical 0**

Sports Officiating introduces students to the world of a sports official. This course focuses on principles and standards, rules, mechanics and procedures for officiating competitive sports.

PEC 230 - Introduction to Sports Medicine**3.0 Credit(s)****Lecture 3****Lab/Clinical 0**

Introduction to Sports Medicine provides an overview of current sports medicine topics. It introduces the care and treatment for today's sport and exercise participants. This course is designed for both the sports science and non-sports science emphasis.

WEL 117 - General Welding**2.0 Credit(s)**

Lecture 1

Lab/Clinical 2

General Welding introduces the fundamental skills involved in welding and cutting metals. Students learn to use Plasma cutting and Oxy Acetylene cutting methods as well as Shielded Metal Arc Welding, Gas Metal Arc Welding, and Gas Tungsten Arc Welding techniques.

ND 197 - Industrial Engineering Technology Orientation (10th - 12th Grades)

3.0 Credit(s)

Lecture 3

Lab/Clinical 0

Industrial Engineering Technology Orientation explores career options in automation, robotics, electronics, sustainable energy, and industrial careers. Students are provided direction for choosing a field within these disciplines. Students learn problem-solving skills, and develop an educational plan of study.

IND 109 - Equipment Safety and Operation

3.0 Credit(s)

Lecture 2

Lab/Clinical 2

Equipment Safety and Operation provides an overview of commonly used safety precautions and operation of tools and equipment. This course introduces PPE (Personal Protective Equipment), CPR (Cardiopulmonary Resuscitation), First Aid, OSHA (Occupational Safety and Health Administration), and safety practices and procedures.

IND 197 - Industrial Engineering Technology Orientation (10th Grade)

3.0 Credit(s)

Lecture 3

Lab/Clinical 0

Industrial Engineering Technology Orientation explores career options in automation, robotics, electronics, sustainable energy, and industrial careers. Students are provided direction for choosing a field within these disciplines. Students learn problem-solving skills, and develop an educational plan of study.

JOU 110 - Introduction to Mass Media

3.0 Credit(s)

Lecture 3

Lab/Clinical 0

Introduction to Mass Media examines the roles, organization, structure, and characteristics of the mass media. The types of mass media and issues include: newspapers, magazines, advertising, cable, public relations, broadcasting, mass media law, and cinema. Students also assess the effects of the mass media on society.

BUS 130 - Introduction to Entrepreneurship

3.0 Credit(s)

Lecture 3

Lab/Clinical 0

Introduction to Entrepreneurship emphasizes these processes: understanding how to find, analyze, and pursue an opportunity; understanding oneself and personality characteristics of the “entrepreneur”; and examining the environment for entrepreneurship. A case and experiential approach is used throughout.

MMS 204 - New Media Production

3.0 Credit(s)

Lecture 2

Lab/Clinical 2

New Media Production introduces students to the new media techniques and software, applications, and websites associated with new media. Students will work with video clips, photos, music, text and special effects to create features for outputting to the web and traditional media sources.

IOWA REGENT SCHOOL ADMISSION CRITERIA –

University of Iowa, Iowa State & University of Northern Iowa

Iowa high school graduates must achieve a Regent Admission Index (RAI) score of at least 245 and take the minimum number of [required high school courses](#) to qualify for automatic admission as freshmen to Iowa State University, the University of Northern Iowa, and the College of Liberal Arts and Sciences at the University of Iowa. The [RAI Core Course Lists](#) provide each Iowa high school with a list of their respective courses that are accepted for the RAI. Students who achieve a score less than 245 will be considered for admission on an individual basis.

The RAI combines factors that strongly predict success at the Regent Universities: ACT or SAT test score, high school rank, high school cumulative grade-point average, and the number of completed high school core courses.

There are two RAI formulas for computing students' RAI scores, the Primary RAI formula (for students [whose high school provides class rank](#)) and the Alternative RAI formula (for students [whose high school does not provide class rank](#)). Below is a detailed description of each formula:

Primary RAI Formula

(for students whose high school provides class rank)

(3 x **ACT composite score**)

+ (30 x **Cumulative GPA**)

+ (5 x Number of years of **RAI-approved high school courses** completed in the **core subject areas**)

= RAI score

[Click here to calculate your unofficial RAI score:](#)