

2020-2021

Senior High Course Registration Guide



Independence Junior/Senior High School

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Start Here...Succeed Anywhere

**Independence Junior/Senior High
700 20th Ave. SW
Independence, IA 50644**

Parents/guardians who have specific questions about the course guide and enrollment procedures are encouraged to email or call 319-334-7405 and ask for one of the following people:

Principal's Office

John Howard, Principal
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The Independence Community School District offers career and technical programs in the following areas of study:

Agriculture, Food and Natural Resources
Business, Finance, Marketing and Management
Human Services
Applied Sciences, Technology, Engineering, and Manufacturing

It is the policy of the Independence Community School District not to 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: Equity Coordinator: Erin Burmeister, Director of School Improvement, 1207 1st Street West, Independence, IA 50644, (319) 334-7400 or eburmeister@independence.k12.ia.us

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Independence Junior/Senior High School's comprehensive approach to education provides for a wide variety of interests and abilities. Please use all available resources: family, school counselors, teachers, and administrators for advice as you select courses. Each of these people wants the best for you and will help in any way possible.

Educational Planning

One of the most important responsibilities a student has in regard to his/her high school career is to make the proper choice of subjects. Each year it is necessary for the student to evaluate his/her previous educational experiences and come to a decision as to what courses and activities would be most valuable in the upcoming school year and years ahead. Remember, each student is different and the courses and activities that are best for a student's friend may be inadequate for the student. Some of the courses in our curriculum must be taken by all students expecting to graduate from Independence Junior/Senior High School. These required courses have been established by state law and/or the Independence Board of Education as an educational framework for all students. However, many of the courses offered are electives and may be selected by the individual student to complete his/her program. It is with these elective courses this booklet is primarily concerned, because the choices made in these elective areas largely determine the future educational and vocational possibilities for the student. A Four Year Plan is included in this handbook and students are encouraged to review this plan with his/her school counselor.

The choice of electives should be determined by the following factors:

- 1) The interests of the student.
- 2) The ability of the student to master certain areas of subject matter.
- 3) The educational and occupational goals of the student including the "Career Pathways" the student is considering for the future.

Each student is encouraged to make an appointment with the school counselor to discuss the choice of subjects. If a student is unsure about the courses best suited to his/her abilities and future plans, as a staff we ask students to please seek assistance from their school counselor. We want the students to benefit from their school program, and proper planning of courses is a decisive factor.

Graduation Requirements

The National Career Readiness Test is a graduation requirement for all Independence Junior/Senior High School students. The Iowa Department of Education's requirement for CPR requires; prior to graduating, a student in a school district or accredited nonpublic district must complete a course in CPR. There is no requirement that the student receive a certification for having completed the course; however, the course must include components one would find in a course that leads to certification. The purpose is to provide students with the skills to assist a classmate or staff member in cardiac distress. If a course meets that purpose, the DE believes the course is acceptable. The rules do not permit an infant-only CPR course for the reason that such a course would not equip a student with the skills necessary to assist a peer or adult. To earn a high school diploma from Independence Junior/Senior High School, students must earn 54 credits and have passed the required classes from the list below.

ENGLISH REQUIREMENT:

English 9 (9 th Grade)	8 Credits 2 credits
English 10 (10 th Grade)	2 credits
English 11 (11 th Grade)	2 credits
Elective	2 credits

MATH REQUIREMENT:

Algebra I <u>or</u> Concepts of Algebra A & B	6 Credits 2 credits <u>or</u> 4 credits
Geometry <u>or</u> Concepts of Geometry	2 credits
Possible Elective	2 credits

SCIENCE REQUIREMENT:

PS Physics (9 th Grade) <u>or</u> Physics (11 th Grade)	6 Credits 1 credit <u>or</u> 2 credits
PS Chemistry (9 th Grade) <u>or</u> Chemistry (10 th Grade)	1 credit <u>or</u> 2 credits
Earth Science (9 th Grade)	1 credit
Biology	2 credits
Possible Elective	1 credit

SOCIAL STUDIES REQUIREMENT:

American History (9 th Grade)	6 Credits 2 credit
World History (10 th Grade Class of 2023 and beyond)	1 credit
Government (11 th Grade)	1 credit
Personal Finance/Economics (11 th Grade)	1 credit
Psychology <u>or</u> Sociology (Class of 2022 and beyond)	1 credit

OTHER REQUIREMENTS:

Real Living I (9-10 th Grade class of 2022 and beyond)	1 credit
Real Living II (11th-12th class of 2020 and 2021 only)	1 credit

PHYSICAL EDUCATION:

1 Credit Each Year

Grade Point Average

All completed courses, with the exception of credit recovery and any courses designated pass/fail, will count towards a student's semester/term/cumulative GPA. If a student fails a course designated pass/fail, the student's GPA will be negatively impacted.

Graduation Progress

In order to progress towards graduation, students should follow the credit recommendations below.

Freshmen	0-11 credits
Sophomore	12-21 credits
Juniors	22-37 credits
Seniors	38+ credits

Early Graduation Requirements

It shall continue to be the policy of the Independence Junior/Senior High School staff to encourage students to attend high school for four full years, regardless of the number of credits a student will have earned at the completion of his/her high school career. A student may submit a written request to graduate prior to his/her scheduled date of graduation. Along with the written request, the student must have written/signed/dated approval from his/her parent(s)/guardian(s) on file in the school counseling office. The principal and school counselor will evaluate such requests, and if all the requirements have been satisfied, the Board of Education may grant the early graduation petition. Only the Independence CSD Board of Education can approve these early graduation requests.

Senior Release

Senior students may apply for **two senior release periods per term/semester**. Schedules cannot be changed to place the excused period wherever the student wants it to be for the term/year. This privilege may be revoked at any time at the discretion of the administration.

QUALIFICATIONS FOR SENIOR RELEASE:

1. Cumulative GPA of 2.5 or higher on a 4.0 scale.
2. Good standing in terms of behavior and attendance as deemed by administrative personnel.
3. Proficient in 3 of 4 areas on the most recent Iowa Statewide Assessment of Student Progress (ISASP).
4. Signed parent/guardian permission is required for a student to have any senior release.

REGULATIONS FOR SENIOR RELEASE:

1. Students agree to attend any special meetings or events scheduled for them during their excused periods.
2. Students who choose to remain in the building during senior release should not cause a disruption and should remain in the library, Main Street, or Commons Area.
3. If senior students wish to have more than two senior release periods per term/semester, special arrangements must be made with the school counseling office and administration.

INFRACTIONS THAT MAY RESULT IN LOSS OF SENIOR RELEASE:

1. The second time a student is found guilty of truancy.
2. Disturbance of classes in session.
3. The third tardy for the class following the excused period.
4. Failure to turn in signed permission slip to the office.
5. Failure to sign out and in at the office.
6. Any other infraction in which the administration deems suspension/revocation of senior release is warranted.
7. Failure to attend any special meetings or events scheduled for them during their excused period.

Course Requirements for Admission to Iowa's Regent Universities (Iowa State University, University of Iowa, University of Northern Iowa)

To encourage you to get the most out of your high school experience and to ensure that you are academically well prepared for college study, Iowa's Regent Universities have established a set of course requirements for admission. By meeting these requirements, you will satisfy not only the high school course requirements for admission to a state university in Iowa, but also the requirements for most other colleges and universities you might want to attend. These requirements are just minimums for admission. You may need to take additional college prep courses in high school. For example, if you plan to pursue a degree in Engineering, it is recommended to take as many mathematics courses beyond second-year Algebra as you can during high school. Also, talk with your counselor to see if you can earn college credits during high school through Concurrent Credit Courses. The following chart outlines the high school course requirements for admission to each of Iowa's Regent Universities. While the requirements are fundamentally similar, some differences exist that reflect the individuality of the three universities.

[Link to High School Course Requirements](#)

Regent Admission Index (RAI)

The Regent Admission Index (RAI) is a calculation used by the Regent universities for admission into their schools. It is calculated by using a student's cumulative grade point average, ACT Composite Score, and the years of core courses taken. Students that have a RAI score of 245 or higher can gain automatic admission into the three Regent universities pending all other admission requirements are met. *The RAI no longer uses student's class rank in their calculation.*

To calculate your own expected RAI, go to www.regents.iowa.gov/RAI

Registration Procedure

All students will register for the four terms of classes for 2020-2021 school year by using the following procedure:

1. During class meetings, all students will be given access to the Course Registration Guide and PowerSchool registration directions.
2. Students will request courses on the PowerSchool Class Registration System for 2020-2021 online.
3. Counselors will then meet with Juniors and Seniors to finalize their course requests for 2020-2021.

Special Notes:

- The registration process is designed to make every effort to accommodate the student in his/her request for courses. It should be understood there is no way to determine in advance which periods of the day courses will be offered or which teacher will teach a course.
- Because class sizes and teacher assignments are based on the registration process, students will not be allowed to alter their course requests once the registration process is completed unless extenuating circumstances exist.
- Students must be scheduled for all periods of the four terms in 9th, 10th and 11th grades. Seniors, who are eligible, may request senior releases. Students who do not qualify for senior release must have a full schedule with no "open" periods.
- It is the student's responsibility to make sure he/she is successfully completing the requirements for graduation.
- Grade levels and prerequisites are listed throughout the Course Registration Guide and must be adhered to by all students. Administration may adjust these requirements in extenuating circumstances.

Schedule Changes

Prior to school starting and the first week of school:

For the 2020-2021 academic year, all student schedule changes must be done between August 10th and August 28th.

In order to make a schedule change, students must adhere to the following procedure:

- Complete the Google Form the counseling office sends out via email in early August.
- Counselors will individually review the request and make changes if it meets one of the criteria on the form.
- If necessary, counselors will contact, by email, phone or in-person, students to make the appropriate changes to the schedule.

Schedule changes after the first week of school:

- Schedule changes will only be considered under extenuating circumstances.
- Students will request a schedule change by filling out a formal Schedule Change Request form. These forms can be found in the counseling office. All required signatures must be obtained before a schedule change is considered.
- If approved, by teachers and administration, counselors will make the appropriate change and notify students of their new schedule.

Note: Administration reserves the right to adjust student schedules based on teacher assignments, period offerings and/or class enrollment numbers.

Independence Junior/Senior High School Course Offerings by Department

ART	
Intro to Art	1 credit
Graphic Design	1 credit
Drawing & Painting	1 credit
Ancient Craft	1 credit
Visual Art- Advanced Studio	1 credit
Photography	1 credit

BUSINESS/COMPUTERS	
Computer Skills	1 credit
Computer Applications	1 credit
Intro to Business	1 credit
Marketing	1 credit
Computer Graphics	1 credit
Desktop Publishing	1 credit
Galore! PowerPoint	1 credit
Web Page Design	1 credit
Accounting	2 credits
Publication Productions	1 credit

ENGLISH LANGUAGE ARTS	
English 9	2 credits
English 10	2 credits
English 11	2 credits
AP English Literature and Composition	2 credits
Oral Communications	1 credit
Creating Fictional Forms	1 credit
Integrated Skills	1 credit
College Research & Writing	1 credit
World Literature	1 credit
Writing for Today	1 credit

FAMILY AND CONSUMER SCIENCES	
Culinary Techniques I	1 credit
Culinary Techniques II	1 credit
Culinary Techniques III	1 credit
Fashion & Fabrics I	1 credit
Fashion & Fabrics II	1 credit
Fashion & Fabrics III	1 credit
Parenting	1 credit
PS Introduction to Early Childhood Education	1 credit
PS Child Health, Safety, and Nutrition	1 credit
PS Early Childhood Curriculum I	1 credit
PS Early Childhood Guidance	1 credit
Home Design	1 credit
Real Living I or Real Living II	1 credit

FOREIGN LANGUAGE	
Spanish I	2 credits
Spanish II	2 credits
Spanish III	2 credits
Spanish IV	2 credits

INDUSTRIAL TECHNOLOGY	
Energy, Power & Transportation	1 credit
Metal Processing	1 credit
Wood Processing	1 credit
Wood Technology	1 credit
Advanced Wood Technology	1 credit
Machine Processing	1 credit
Machine Technology	2 credits
Advanced Automotive System	1 credit
Automotive Restoration	2 credits
Building Trades/PS Intro to Residential Construction/PS Construction Technology Lab	4 credits
Graphic Communications	1 credit
PS Machine Trade Print Reading	1 credit
PS Intro to Welding/Gas Metal Arc Welding	1 credit
PS Intro to CNC Programming (CAM)	2 credits
PS Intro to Automotive Technology	1 credit

MATHEMATICS	
Concepts of Algebra A & B or Algebra I	4 credits
Algebra I	2 credits
Algebra II	2 credits
Concepts of Geometry or Geometry	2 credits
Geometry	2 credits
Trigonometry	1 credit
Pre-Calculus	2 credits
Consumer Math	2 credits
PS Statistics	1 credit

EXTENDED LEARNING PROGRAM	
Extended Learning Program	1 credit
Online AP Calculus AB	2 credits
Online AP English Language and Composition	2 credits
Online AP English Literature and Composition	2 credits
Online AP Macroeconomics	1 credit
Online AP Microeconomics	1 credit
Online AP Psychology	1 credit
Online AP Statistics	2 credits
Online AP U.S. Government and Politics	1 credit
Online AP U.S. History	2 credits

***Bold** courses are required courses.
Shaded areas indicate core content.

Independence Junior/Senior High School Course Offerings by Department

MUSIC	
Band	2 credits
Concert Choir	2 credits
IS Music	1 credit
Color Guard	.5 credit

PHYSICAL EDUCATION	
Physical Education	1 credit
Lifelong Activities PE	1 credit
Performance PE	1 credit
Health & Wellness I	1 credit
Health & Wellness II	1 credit

SCHOOL TO WORK	
Career Internship	1 credit
Lead Worthy	1 credit

SCIENCE	
Physical Science Chemistry or Chemistry	1 credit 2 credits
Physical Science Physics or Physics	1 credit 2 credits
Earth Science (Required for class of 2022 and beyond)	1 credit
Biology	2 credits
Animal Science *Available for Science credit	1 credit
Plant Science *Available for Science credit	1 credit
Advanced Biology (Cells)	1 credit
Anatomy & Physiology	1 credit
Environmental Science	1 credit
Chemistry II	2 credits

AGRICULTURAL SCIENCE	
Into to Agriculture	1 credit
Ag Leadership	1 credit
Animal Science	1 credit
Plant Science	1 credit
Ag Business	1 credit
Ag Issues & Perceptions	1 credit
Ag Education Co-Op	1 credit
Principles of Horticulture	1 credit

SOCIAL STUDIES	
American History 9	2 credits
World History 10	1 credit
U.S. Government	1 credit
Economics	1 credit
AP U.S. Government and Politics	1 credit
History of Iowa	1 credit
Modern U.S. History	1 credit
Western Civilizations	2 credits
Psychology or Sociology (Required for class of 2022 and beyond)	1 credit 1 credit
PS Intro to Psychology	1 credit
PS Intro to Sociology	1 credit

***Bold** courses are required courses.
Shaded areas indicate core content.

ENGLISH RECOMMENDATIONS & COURSE DESCRIPTIONS

In order to be the most prepared and successful at the postsecondary level, the district recommends taking the following courses.

Required Courses:

English 9 (2 credits)
English 10 (2 credits)
English 11 (2 credits)

Required credits: 8 Credits

2 elective courses needed

Workforce or Military	Community College	Community College Transfer or 4-year
<i>English 9</i> <i>English 10</i> <i>English 11</i> Writing For Today Integrated Skills Oral Communications	<i>English 9</i> <i>English 10</i> <i>English 11</i> Oral Communications Creating Fictional Forms Writing for Today	<i>English 9</i> <i>English 10</i> <i>English 11</i> World Literature Creating Fictional Forms Oral Communications College Research and Writing AP English Literature and Composition

Italics=Required Courses

ENGLISH LANGUAGE ARTS COURSE DESCRIPTIONS:

English 9

Grade Level: 9

Credits: 2

Considerations: Freshman Requirement

Description: This course provides an introductory approach to the different types of literature: short stories, poetry, novel, drama, epic, and non-fiction. The language arts skills of speaking, listening, writing, and reading are integrated into nearly every unit. Alternate arrangements for English credit will be made for students who fail this course twice.

English 10

Grade Level: 10

Credits: 2

Prerequisite: English 9

Considerations: Sophomore Requirement

Description: A required course for all sophomores designed to build on the skills learned during English 9. Reading, writing, speaking, listening, and viewing are all emphasized and integrated throughout the class. Alternate arrangements for English credit will be made for students who fail this course twice.

English 11

Grade Level: 11

Credits: 2

Prerequisite: English 9 and 10

Considerations: Junior Requirement.

Description: This course is designed to incorporate the skill of written responses to the study of literature. This year-long course surveys major writers, writing, and time periods in American literature. Emphasis is placed on student's reading, writing, and critical thinking skills. This course demands student time and effort in both reading and writing.

Oral Communications

Grade Level: 12

Credits: 1

Description: This course explores basic communication issues between individuals and seeks to develop self-confidence in other speaking situations through organizing ideas and presenting them through group discussion, speech making, and parliamentary procedure. This course is useful to all students regardless of future plans.

Writing for Today

Grade Level: 12

Credits: 1

Description: Writing is an important skill in today's world. Students need to know how to use that skill to their advantage. English/Composition courses are designed for juniors and seniors and build upon previous writing skills, reinforcing the logic and critical-thinking skills that accompany good writing. This course will emphasize word choice, usage, and writing mechanics as well as providing continued and advanced instruction in writing for a variety of purposes and audiences. This course will also examine various writing forms found in today's society and how it impacts its users. This course is most appropriate for students going directly into the workforce or military after graduation.

Creating Fictional Forms

Grade Level: 12

Credits: 1

Prerequisite: English 11

Description: Creating Fictional Forms is a course designed for the student who loves writing. This course will introduce students to current fiction while starting to build a creative writing knowledge and process. Half of the term will be reading and writing. The other half will focus on composing fictional stories. All reading will relate in some way to the fictional forms. Students will use imitation and experimentation in refining the creative writer's tools and then use those tools to build a creative writing portfolio. Students need to be proficient in writing to be successful in this class.

Integrated Skills

Grade Level: 12

Credits: 1

Description: Integrated Skills is a one semester class designed to reinforce language arts skills in units simulating real-life situations. Students will understand the importance of these various skills (listening, researching, observing, reading, speaking, and writing) to their success as life-long learners. Required group work is an integral part of daily work. This course is most appropriate for students going directly into the workforce or military after graduation.

College Research and Writing

Grade Level: 12

Credits: 1

Prerequisite: English 11

Description: In an Information Age, the ability to find and use information is a survival skill--not a luxury! This class focuses on finding and using information and research projects, including the term paper. Students planning on attending a four-year university will find this class essential. Students will also focus on college life and studies.

World Literature

Grade Level: 12

Credits: 1

Prerequisite: English 11

Description: World Literature is a one semester course for seniors only. It is designed to give the necessary background for humanities and literature classes in college. The Bible provides a starting point in the history of writing. Students then review the classics of Greece and Rome, literature of the Middle-Ages and Renaissance, and works from the ages of Rationalism, Romanticism, and Realism.

AP English Literature and Composition

Grade Level: 11-12

Credits: 2

Prerequisites: English 9 and 10

Considerations: The cost of the AP exam, if the student chooses to take it, must be paid by the student.

Description: This course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

MATHEMATICS RECOMMENDATIONS & COURSE DESCRIPTIONS

In order to be the most prepared and successful at the postsecondary level, the district recommends taking the following courses.

Required Courses:

Algebra I (2 credits) or
 Concepts of Algebra A (2 credits) & B (2 credits)
 Geometry (2 credits) or
 Concepts of Geometry (2 credits)

Required Credits: 6

2 electives may be needed

Workforce or Military	Community College	Community College Transfer or 4-year
<i>Concepts of Algebra A & B</i> <i>Concepts of Geometry</i> Consumer Math	<i>Concepts of Algebra A & B</i> <i>or Algebra I</i> <i>Concepts of Geometry or</i> <i>Geometry</i> Algebra II Trigonometry*	<i>Algebra I</i> <i>Geometry</i> Algebra II Trigonometry* Pre-Calculus PS Statistics

Italics=Required Courses

*Field of Study Dependent

MATH COURSE DESCRIPTIONS:

Algebra I

Grade Level: 9

Credits: 2

Considerations: Freshmen are required to take Concepts of Algebra A or Algebra I, unless he/she successfully completed Algebra I in 8th grade.

Description: Algebra I introduces students to the process of using algebraic (symbolic) thought in problem solving. It also lays the foundation students need to study more advanced types of mathematical thought. This class fulfills part of the math requirement of most colleges and technical schools. In this course students will study linear, exponential, and quadratic equations as well as other algebraic topics.

Concepts of Algebra A

Grade Level: 9

Credits: 2

Considerations: Freshmen are required to take Concepts of Algebra A or Algebra I, unless he/she successfully completed Algebra I in 8th grade.

Description: The content covered in Concepts of Algebra A is the same as Algebra 1, the difference is the material is covered in two years. The remaining topics will be covered in Concepts of Algebra B. Teacher recommendation required for this course.

Concepts of Algebra B

Grade Level: 10

Credits: 2

Prerequisite: Concepts of Algebra A

Description: Concepts of Algebra B will pick up where Concepts of Algebra A left off and will include some extension topics from Algebra I. This course must be taken sequentially after Concepts of Algebra A.

Geometry

Grade Level: 9-12

Credits: 2

Prerequisite: Algebra I or Concepts of Algebra A and B

Description: In this course, students will study lines, angles, triangles, quadrilaterals, circles, area, and volume. Students will also be introduced to proofs of geometric figures.

Concepts of Geometry

Grade Level: 9-12

Credits: 2

Prerequisite: Algebra I or Concepts of Algebra A & B

Considerations: Universities will not recognize this course for Geometry, teacher recommendation required.

Description: The content covered in Concepts of Geometry is the same as Geometry. The difference is the material will focus on non-proof Geometry instead of proof Geometry.

Algebra II

Grade Level: 10-12

Credits: 2

Prerequisite: Geometry

Description: This two-term course is a continuation of Algebra I and Geometry concepts. Algebra II is designed for students that plan on attending a college or technical school. Most colleges strongly recommend that students have successfully completed Algebra I, Geometry, and Algebra II.

Trigonometry

Grade Level: 10-12

Credits: 1

Prerequisite: Algebra II

Description: In this course students will master special triangles, right triangular trigonometry, circular trigonometry, trigonometric identities, graphing trigonometric functions and solving trigonometric equations. Students who are considering engineering as a career choice are strongly recommended to take this course.

Pre-Calculus

Grade Level: 10-12

Credits: 2

Prerequisite: Trigonometry

Description: This is a college preparatory course for Calculus, which involves an emphasis on advanced algebra, coordinate geometry, conic sections, statistics, exponential and logarithmic functions, sequence and series, and probability. Students who complete this course will have a strong math background for college.

Consumer Math

Grade Level: 11-12

Credits: 2

Prerequisite: Algebra I or Concepts of Algebra A and B

Description: Topics studied include a review of basic algebra, taxes, insurance, the use of credit, investments, maintaining a balanced checkbook, buying a house, and expenses involved in car ownership. Consumer Math stresses consumer problems in everyday life with the practical application of mathematics to help students make more informed choices.

PS Statistics

Grade Level: 11-12

Credits: 1 high school credit, 3 college credits

Prerequisite: Proficient score on the Accuplacer

Description: This course is a study of descriptive statistics including graphical representation, central tendency, correlation and regression, intuitive treatment of probability and inferential statistics including hypothesis testing.

SCIENCE RECOMMENDATIONS & COURSE DESCRIPTIONS

In order to be the most prepared and successful at the postsecondary level, the district recommends taking the following courses.

Required Courses:

Physical Science Physics (1 credit) or
Physics (2 credits)
Physical Science Chemistry (1 credit) or
Chemistry (2 credits)
Biology (2 credits)
Earth Science (1 credit)

Required Credits: 6

1 elective credit may be needed

Workforce or Military	Community College	Community College Transfer or 4-year
<i>Physical Science</i> <i>Chemistry</i> <i>Physical Science Physics</i> <i>Biology</i> <i>Earth Science</i> Environmental Science Plant Science Animal Science	<i>Physical Science</i> <i>Chemistry <u>or</u> Chemistry</i> <i>Physical Science Physics</i> <i>Biology</i> <i>Earth Science</i> Anatomy & Physiology* Advanced Biology* Environmental Science Plant Science Animal Science	<i>Physical Science Physics</i> <i><u>or</u> Physics*</i> <i>Biology</i> <i>Chemistry</i> <i>Earth Science</i> Chemistry II Anatomy & Physiology* Advanced Biology* Environmental Science Plant Science Animal Science

Italics=Required Course

*Field of Study Dependent

SCIENCE COURSE DESCRIPTIONS:

Physical Science Physics

Grade Level: 9-12

Credits: 1

Considerations: Required course if a student does not take physics.

Description: In this course, students explore the fundamentals of physics. Topics explored include wave basics, sound, light, forces and motion.

Physical Science Chemistry

Grade Level: 9-12

Credits: 1

Considerations: Required course if a student does not take chemistry.

Description: In this course, students explore the fundamentals of chemistry. Topics explored include basics of matter, atoms, and chemical reactions.

Earth Science

Grade Level: 9-12

Credits: 1

Considerations: Required course for students beginning with the class of 2022.

Description: In this predominantly ninth-tenth grade science course, students learn basic concepts about earth science. The major theme of the course will include earth's place in the universe and earth's systems. These include learning about the sun, stars, plate tectonics, meteorites, cycling of matter, carbon cycling, properties of water with climate, and the flow of energy in the earth's systems.

Biology

Grade Level: 9-12

Credits: 2

Considerations: Required course for all students.

Prerequisite: Freshmen must obtain written approval from the junior high teachers in collaboration with the instructor prior to registering for the course.

Description: Biology is a general course focusing on life processes and interactions between organisms and their environments. This course will include the study of organisms, ecosystems, introduction to genetics, evolution, and cells. Biology is essential for students planning to attend college, nursing school, or a laboratory technology school.

Chemistry

Grade Level: 10-12

Credits: 2

Considerations: Required course if a student does not take Physical Science Chemistry. It is recommended that students take Geometry prior to taking this course.

Description: Chemistry is a study of matter in the world around us. Units studied include: atomic structure, formulas, chemical reactions, gases, solutions, periodic trends, bonding and the mole. Emphasis is placed on fundamental principles that apply to a wide variety of practical problems.

Chemistry II

Grade Level: 11-12

Credits: 2

Prerequisite: Chemistry I

Description: This course covers kinetics, nuclear chemistry, thermodynamics, solids and liquids, molecular structure, and more in depth gas laws. This class is geared towards students interested in a science-related field.

Physics

Grade Level: 11-12

Credits: 2

Prerequisite: Physical Science Chemistry or Chemistry I and Algebra I and II

Considerations: Required course if a student does not take Physical Science Physics. It is recommended that students take Trigonometry prior to taking this course.

Description: Physics is a physical science course that deals with matter and energy and their relationships to each other. Units studied include forces, motion, momentum, energy, heat, sound and light.

Animal Science

Grade Level: 9-12

Credits: 1

Considerations: Available for science credit, successful completion of Introduction to Agriculture will have enrollment preference, Biology recommended before enrollment.

Description: Course work will focus on the husbandry, production and uses of animal agriculture. All range of student knowledge and experience will benefit from presented information. As well as investigating the careers that surround the study of animals, units of study will include animal origin and history, breeding and reproduction, genetics and heritability, feeding and nutrition, and basic animal care.

Plant Science

Grade Level: 9-12

Credits: 1

Considerations: Available for science credit, successful completion of Introduction to Agriculture will have enrollment preference, Biology recommended before enrollment.

Description: Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agricultural and horticultural production. Students will discover the value of plant production and its impact on the individual, local, and global economy.

Advanced Biology (Cells)

Grade Level: 11-12

Credits: 1

Prerequisite: Biology

Considerations: Chemistry is recommended before taking Advanced Biology.

Description: This course will present the latest scientific knowledge and techniques used to better understand the structure of DNA and how scientists manipulate it. The role of DNA in the cell will also lead us into discussions of genetics, mutations, enzymes, common biomolecules and energy production in a cell. The instructor encourages eligible students to take chemistry before entering this class. This course is intended to prepare students for college general biology and genetics classes.

Anatomy & Physiology

Grade Level: 11-12

Credits: 1

Prerequisite: Biology

Considerations: Students who received a "C" or lower in biology, need to be aware that this class will be very challenging and a change in past study habits or classroom behavior may need to take place for students to be successful in this course.

Description: This course is intended to prepare students for college human anatomy and physiology class. This course will increase understanding of the basic anatomical and physiological processes that occur within mammals using critical thinking while gaining fundamental dissection techniques and laboratory skills suitable for college.

Environmental Science

Grade Level: 11-12

Credits: 1

Prerequisite: Biology or permission from the instructor

Description: A course designed for students interested in understanding and working towards solutions of environmental problems on a local, state, national and worldwide perspective.

SOCIAL STUDIES RECOMMENDATIONS & COURSE DESCRIPTIONS

In order to be the most prepared and successful at the postsecondary level, the district recommends taking the following courses.

Required Courses:

American History (2 credits)

American History 10 (2 credits)

Class of 2021 and 2022

World History (1 credit)

Class of 2023

Psychology (1 credit) or Sociology (1 credit)

Required for class of 2022 and beyond

Government (1 credit)

Personal Finance/Economics (1 credit)

Required Credits: 6

Class of 2022 (only): 7

Workforce or Military	Community College	Community College Transfer and 4-year
<i>American History</i> <i>World History</i> <i>Government</i> <i>Personal</i> <i>Finance/Economics</i> <i>Psychology or Sociology</i>	<i>American History</i> <i>World History</i> <i>Psychology or Sociology</i> <i>Government</i> <i>Personal</i> <i>Finance/Economics</i> Modern U.S. History	<i>American History</i> <i>World History</i> <i>PS Psychology or</i> <i>Psychology</i> <i>PS Sociology or Sociology</i> <i>Government</i> <i>Personal</i> <i>Finance/Economics</i> Western Civilizations Modern U.S. History

Italics=Required Course

SOCIAL STUDIES COURSE DESCRIPTIONS:

American History 9

Grade Level: 9

Credits: 2

Considerations: Required course for freshmen.

Description: This course will focus on historical events of the 20th century, including the events leading to WWI through the Vietnam Era. In addition to historical events, the course will include work with geography skills, civics, contemporary and multicultural issues.

World History 10

Grade Level: 10

Credits: 1

Considerations: Required course for sophomores.

Description: This is a course designed to broaden our students' knowledge of history beyond that of the United States and Western World. This will focus on the Non-Western cultures of China, India, Japan, and Africa. We will examine the histories of these diverse societies from ancient times to the modern era. This course will help students gain an understanding of how the world of today has been shaped by nations from outside our hemisphere.

United States Government

Grade Level: 11-12

Credits: 1

Considerations: Required course for juniors/seniors.

Description: Students will become more familiar with how our government works and how they are an important part of its success. The class will study the Constitution, political parties, elections, the lawmaking process, the legal system, and local government. Current government issues will also be discussed. Throughout the term, students will become more familiar with their own political beliefs.

Economics

Grade Level: 11-12

Credits: 1

Considerations: Required course for all juniors/seniors.

Description: Students will gain a better understanding of economic factors and how they will relate to personal experiences. Topics covered include economic systems, supply and demand, government economic policies, international trade, and issues involving personal finance including budgeting and investing.

Modern U.S. History

Grade Level: 11-12

Credits: 1

Prerequisite: American History 9

Considerations: Students must have completed American History 9 with at least a B-.

Description: This course will focus on recent U.S. History from 1980 to the present day. The focus will be a critical examination of trends in politics, foreign and domestic policies, society, and culture of the United States over the past 30 years.

Western Civilizations

Grade Level: 11-12

Credits: 2

Description: This course studies the origins and growth of Western Civilization. It begins with ancient civilizations and progresses through the Renaissance and Reformation eras in Europe. This course will give students a perspective on how the world of today has been shaped by people and events from the last 10,000 years. A research paper and two book reviews are requirements for passing this course.

Psychology

Grade Level: 11-12

Credits: 1

Considerations: Psychology or Sociology is required for graduation for the class of 2022 and beyond.

Description: This is a course designed to help students become more familiar with why individuals act the way they do. Topics include the brain and nervous system, consciousness, learning and memory, thinking and intelligence, motivation, emotion, personality, gender, social psychology, health psychology and psychological disorders. Readings, experiments, activities, demonstrations, and projects will be used to help students gain a better understanding of behavior and mental processes.

PS Introduction to Psychology

Grade Level: 9-12

Credits: 1 high school credit, 3 college credits

Considerations: Completion of this course meets the graduation requirement for class of 2022 and beyond.

Description: This course provides an introduction to the study of behavior with emphasis in the areas of learning, cognition, motivation, personality, behavioral disorder, health, and social influence. An understanding of the impact of both theoretical perspectives and experimental evidence on the formulation of the science of human behavior is also stressed. Psychological theories and principles are utilized to explain and predict behavior.

Sociology

Grade Level: 11-12

Credits: 1

Considerations: Psychology or Sociology is required for graduation for the class of 2022 and beyond.

Description: This is a course designed to help students become more familiar with human interaction, the process of socialization in various cultures, and social environments. Topics include socialization, components of culture, social structure, and group behavior on a global scale. The course concludes with a comprehensive look at global social issues and how they impact human beings and the societies in which they live.

PS Introduction to Sociology

Grade Level: 9-12

Credits: 1 high school credit, 3 college credits

Considerations: Completion of this course meets the graduation requirement for class of 2022 and beyond.

Description: This course surveys the basic principles, concepts, and research findings of social life from small groups to societies. The course examines a range of sociological explanations for the various forms of social behaviors and establishes a basis for reflection and further study in the field. Topics include human socialization, interaction, social structure, social issues and group behavior.

History of Iowa

Grade Level: 9-12

Credits: 1

Considerations: This course may only be offered every other year.

Description: This course is designed for the student who is interested in a comprehensive study of the history of the state of Iowa, Buchanan County, and Independence. Major units of study include Prehistoric Iowa and Man, Native Americans, Exploration and Statehood of Iowa, Pioneers, Buchanan County and Independence History, Agriculture and Iowans at Time of War.

AP U.S. Government and Politics

Grade Level: 11-12

Credits: 1

Prerequisites: American History 9

Considerations: The cost of the AP exam, if the student chooses to take it, must be paid by the student.

Description: AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project.

AGRICULTURAL EDUCATION COURSE DESCRIPTIONS:

Introduction to Agriculture

Grade Level: 9-12

Credits: 1

Considerations: This is an introductory course and is a prerequisite for all other agricultural courses.

Description: Introduction to Agriculture is designed to teach students about the world of agriculture. Course topics will range from Animal and Plant Science, Environmental Science and Natural Resources. Introduction to the FFA Organization as well as Leadership and Communication will be another major component of this course. Woven throughout the course are activities to develop and improve employability skills of students through practical applications.

Animal Science

Grade Level: 10-12

Credits: 1

Considerations: Available for science credit, successful completion of Introduction to Agriculture will have enrollment preference.

Description: Course work will focus on the husbandry, production and uses of animal agriculture. All range of student knowledge and experience will benefit from presented information. As well as investigating the careers that surround the study of animals, units of study will include animal origin and history, breeding and reproduction, genetics and heritability, feeding and nutrition, and basic animal care.

Plant Science

Grade Level: 9-12

Credits: 1

Considerations: Available for science credit, successful completion of Introduction to Agriculture will have enrollment preference.

Description: Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agricultural and horticultural production. Students will discover the value of plant production and its impact on the individual, local, and global economy.

Ag Issues and Perceptions

Grade Level: 11-12

Credits: 1

Prerequisite: Introduction to Agriculture and Animal or Plant Science

Description: This upper level class will put student knowledge of the agriculture industry to work through investigations of the industry on the local, state, national, and international levels. Historical agricultural events as well as current events will be discussed to show the interaction of other countries with the production of food, fiber, and fuel commodities.

Ag Leadership

Grade Level: 11-12

Credits: 1

Prerequisite: Introduction to Agriculture

Considerations: A great course for current FFA members.

Description: The National FFA Organization is dedicated to making a positive difference in the lives of students by developing their potential for premier leadership, personal growth, and career success. This course, open to all students, will focus on improving leadership and communication skills through application of agricultural concepts. Class activities include Career Development Events, organized debates, discussion on current agricultural issues, creating a resume, and practicing interview skills.

Ag Business

Grade Level: 11-12

Credits: 1

Prerequisite: Introduction to Agriculture

Description: Agricultural business exposes students to basic economic principles, accounting, and business management skills. Students will understand the production cycles of agricultural commodities and different methods of marketing. Students will develop an entrepreneurial business idea and complete the steps required to make it successful.

Ag Education Co-Op

Grade Level: 11-12

Credits: 1

Prerequisite: Introduction to Agriculture

Considerations: Application must be completed prior to approval.

Description: This course is designated for junior and senior level students who have completed at least 4 credits in agriculture education. To approve enrollment in this course, a cooperation between student and Ag. Instructor or Agricultural business must be established. The purpose of this course is to encourage career readiness skills in Agriculture Education students. Agricultural projects are preferred for approval of course enrollment. Many options are available to shape this course to match student skills and interests.

Principles of Horticulture

Grade Level: 9-12

Credits: 1

Prerequisite: Introduction to Agriculture

Description: Horticulture is the science and art of growing fruits, vegetables, flowers, and ornamental plants. Students will be involved in planting, care, maintenance, and selection of various home and commercial vegetables, flowers, and plants. Students will gain hands-on greenhouse and garden management experience.

ART COURSE DESCRIPTIONS:

Intro to Art

Grade Level: 9-12

Credits: 1

Description: This introductory art class will have students explore various mediums of art while following a historical timeline. The timeline will span from the art of the Stone Age through the Renaissance time period and exploring major stylistic periods. A variety of drawing, painting, and clay projects will be completed using a vast array of media.

Graphic Design

Grade Level: 9-12

Credits: 1

Prerequisite: Successful completion of Introduction to Art with a "C" or better.

Description: This class will have students explore the elements and principles of art to master good composition in design. Students will develop ideas to create logos and advertising designs using technology as a visual tool. Students will participate in critiques as well as competitions to emulate a business-like environment.

Drawing and Painting

Grade Level: 9-12

Credits: 1

Prerequisite: Successful completion of Introduction to Art with a "C" or better.

Description: Students will create artwork in pencil, charcoal, pen, pastels, acrylic paint, watercolor, and mixed media. Throughout this course, students utilize traditional drawing and painting techniques. Each project assigned facilitates an understanding of the properties of light, perspective, scale, and proportion.

Ancient Craft

Grade Level: 11-12

Credits: 1

Prerequisite: Successful completion of Introduction to Art with a "C" or better.

Description: This course will reintroduce skills from the past that have long been forgotten. Students will learn basic chain maille techniques as well as leather craft skills. Students will also explore lost printmaking techniques which include Intaglio and Relief printmaking.

Photography

Grade Level: 12

Credits: 1

Description: Cameras don't take pictures, people do! Learning the basics of photo composition is one of the keys to better photography. Composition simply means knowing how to place objects in your image to get the effect that you're looking for. Using basic design principles, we will explore incorporating the *Rules of Composition* into your photography. (These are the same rules used by professionals in the commercial photography fields of: Photojournalism; Travel and Landscape; Nature and Wildlife; Sports and Action; Family and Wedding; Advertising; etc.). By mastering some of these techniques, our photos will become more visually appealing, more captivating, and will successfully communicate your intended message.

Visual Arts Advanced Study (Previously IS Art)

Grade Level: 11-12

Credits: 1

Description: Enables students to independently explore work within a specific art medium, concept, or idea through in-depth examination. Serves as an opportunity for students to expand their expertise in a specific medium and style, to explore a topic in greater detail, or to develop more advanced skills.

BUSINESS/COMPUTERS COURSE DESCRIPTIONS:

Introduction to Business

Grade Level: 9-12

Credits: 1

Description: This course covers a broad overview of common business functions, namely: marketing, entrepreneurship, communication and employment skills, management and operations, record keeping, taxation and computer processes. Students will create a business in order to apply and demonstrate their learning. This course also uses Google Sheets to better apply the concepts and to prepare the student for the workforce.

Accounting

Grade Level: 10-12

Credits: 2

Prerequisite: Introduction to Business and Marketing

Considerations: 10th graders must have teacher approval.

Description: This course provides a comprehensive overview of basic accounting standards. Service proprietorships and merchandising corporations are covered in addition to other topics. The emphasis is not only on terminology and practices but also an emphasis is placed on real-world applications. This course should be taken by anyone possibly thinking about earning a business degree or starting a business. This course will utilize Google Sheets to better apply the concepts and to prepare the student for the workforce.

Marketing

Grade Level: 9-12

Credits: 1

Prerequisite: Introduction to Business

Description: This course covers the marketing concept with the focus always on the customer. Students will learn and explore the marketing mix consisting of the 4 P's: product, price, promotion and placement. We will also cover the areas of financing, selling and marketing-information management as they relate to marketing.

Computer Skills

Grade Level: 9-12

Credits: 1

Description: This course will provide students with an introduction to the Windows operating system, Microsoft Word, Excel, PowerPoint, and Web Page Design as well as occupational skills and work to refine their computer keyboarding skills as they progress throughout the term. Additional units studied will include photo editing (Digital Image Pro) and creating a movie unit (Windows Movie Maker).

Computer Applications

Grade Level: 9-12

Credits: 1

Prerequisite: Computer Skills or instructor approval

Description: This course is designed to refine keyboarding skills with the emphasis on improving speed and accuracy along with learning 10-key keyboarding. Focus will be placed on the use of software commands and functions to create, edit, format, and manipulate documents, capitalizing on the power offered by word processing software programs.

Desktop Publishing

Grade Level: 10-12

Credits: 1

Prerequisite: Computer Skills or instructor approval

Description: In this course, students will be exploring various desktop publishing features in Microsoft Word while learning some basic design skills. These skills may include, but are not limited to, creating a 12-month calendar, personalized business cards, envelopes, stationery, newsletters, and brochures. This course will help students develop a high degree of skill for personal and business use. Students will continue to learn computer terminology as they develop entry-level occupational skills.

Galore! PowerPoint

Grade Level: 10-12

Credits: 1

Prerequisite: Computer Skills or instructor approval

Description: Students will plan, prepare, and deliver a variety of presentations using a variety of multimedia and advanced effects. Students will utilize teamwork and speaking skills as well as learn the applications of advanced features offered in the presentation and graphics software.

Computer Graphics

Grade Level: 10-12

Credits: 1

Prerequisite: Computer Skills or instructor approval

Description: This course is designed for students interested in using the computer as a tool to create, edit, and enhance photos with the same tools used by top creative professionals and photographers. It will be an introduction to the fundamentals of graphic design using Adobe Photoshop software. Photoshop will give students the technology they need to bring extraordinary images to life. Students will learn to create visually compelling images for reports, presentations, school publications, advertisements, posters, brochures, websites, and other personal and professional uses.

Web Page Design

Grade Level: 11-12

Credits: 1

Prerequisite: Computer Skills or instructor approval

Considerations: Computer Graphics would be helpful to take before enrolling in Web Page Design, but is not required. Class size may be limited and registration may be subject to instructor approval.

Description: This course is designed to introduce students to web page design with an emphasis on effective design and content. Web page design skills have become a necessity in many careers in today's computer-oriented society. In many organizations, employees are asked to create, maintain, or contribute to departmental web sites on company intranets. People also create personal web sites about their families or interests, as part of a career search, or on almost any subject imaginable. Students will be learning Adobe Dreamweaver to create their web pages as well as basic HTML.

Publication Productions

Grade Level: 9-12

Credits: 1

Considerations: Class size may be limited and registration may be subject to instructor approval.

Description: This course has been designed to provide students with an opportunity to develop and use their skills to help in the production of various school publications including, but not limited to, the school's yearbook. Students will gain skills in teamwork, responsibility, brainstorming, content, coverage, concept, reporting, writing, headlines, captions, editing, photography, typography, design, graphics, advertising, and distribution. Our work results in the current volume of the school's yearbook as well as advertising and promotion of the school's upcoming activities and functions with the use of video and computer graphic design. Publication productions can be taken for both semesters in a school year and multiple times (6 maximum) over the course of a student's high school career.

FAMILY AND CONSUMER SCIENCE COURSE DESCRIPTIONS:

Culinary Techniques I

Grade Level: 9-12

Credits: 1

Considerations: Beginning level class.

Description: In Culinary Techniques I, a variety of food preparation techniques will be explored! We will also spend time looking at basic nutrition, safety, sanitation, equipment use, table setting, etiquette, and basic meal planning. The final is a cooking show where you are the host demonstrating skills you have learned over the term!

Culinary Techniques II

Grade Level: 10-12

Credits: 1

Prerequisite: Culinary Techniques I

Description: A variety of more complicated food preparation techniques will be explored! We will also work with nutrition for special diets and spend time analyzing food trends. We will prepare a variety of regional and ethnic foods as well as purchase food from the grocery store.

Culinary Techniques III

Grade Level: 11-12

Credits: 1

Prerequisite: Culinary Techniques I and II

Description: If you enjoyed Culinary Techniques I and II, then you should definitely take Culinary Techniques III. In this course, students will analyze and experience different careers in the culinary field. This is a project-based, hands-on class where the students prepare a variety of products. Students will also complete a sales project, develop a cooking show, and do research on careers in the culinary field.

Fashion & Fabrics I

Grade Level: 9-12

Credits: 1

Description: Explore the world of fashion and work with fabrics to create your own clothes and accessories. Use fabrics to combine colors and textures in a quilt. Use several different types of sewing machines, including a serger and an embroidery machine. Investigate the world of fashion and its career opportunities.

Fashion & Fabrics II

Grade Level: 10-12

Credits: 1

Prerequisite: Fashion and Fabrics I

Description: This class will build on skills learned in Fashion and Fabrics I. Become more fashion savvy through our own "Project Runway", investigate fashion cycles and the history of fashion. Use many different sewing machines, use design software, and increase your sewing skills through many different projects, as well as design and create a product for a class chosen community service project.

Fashion & Fabrics III

Grade Level: 10-12

Credits: 1

Prerequisite: Fashion and Fabrics I and II

Considerations: Instructor approval is required to enroll in this course.

Description: The student will use current technology to create original designs for clothing, accessories, and quilts. The student will be a self-starter, able to read and interpret written technical directions, and be willing to work with a variety of sewing machines, computer design software, and a digital/video camera. If a student wants to take this course as an independent study, administration and instructor must give approval.

PS Introduction to Early Childhood Education

Grade Level: 9-12

Credits: 1 high school, 3 college

Description: This course gives students a historical and philosophical foundation of the field of early childhood education. Includes an overview of assessment and trends that influence best practices. Explores careers in the field. Addresses influences of families and diversity.

PS Child Health, Safety, and Nutrition

Grade Level: 9-12

Credits: 1 high school, 3 college

Description: Focuses on current concepts in the fields of health, safety and nutrition and their relationship to the growth and development of the young child ages birth to eight. Blends current theory with practical applications and assessments. Includes the influences of families and diversity on health, safety, and nutrition in early childhood settings.

PS Early Childhood Curriculum I

Grade Level: 10-12

Credits: 1 high school, 3 college

Considerations: This class is only offered before school, every other year, pending enrollment numbers.

Description: Focuses on the development, implementation and assessment of appropriate environments and curricula for young children ages three through eight. Students prepare to utilize developmentally appropriate practices in a context of family and culturally sensitive care. Emphasis is on understanding children's development stages and developing appropriate learning opportunities, interactions and environments in the following areas: dramatic play, art, music, fine and gross motor play.

PS Early Childhood Guidance

Grade Level: 10-12

Credits: 1 high school, 3 college

Considerations: This class is only offered before school, every other year, pending enrollment numbers.

Description: Focuses on effective approaches and positive guidance strategies for supporting the development of all children. Emphasizes supportive interactions and developmentally appropriate environments. Uses assessments to analyze and guide behaviors. Studies the impact of families and diversity on child guidance.

Parenting

Grade Level: 10-12

Credits: 1

Description: This course is designed to provide students with knowledge and skills to become more effective parents. Areas of study include parenting skills, pregnancy and birth, effective parenting practices, early brain development, and the social, physical, cognitive, and emotional development of infants and toddlers will be studied.

Home Design

Grade Level: 11-12

Credits: 1

Description: Apartments, condominiums, and houses....oh my! Let's dig into what makes a house a home. Floor plans, home products, room designs, house styles, and interior planning are all discussed. Students complete several projects during the course.

Real Living I

Grade Level: 9-10

Credits: 1

Considerations: This course, or Real Living II, is a required course for graduation. Beginning with the class of 2023, Real Living I will be taken as a freshman or sophomore.

Description: The skills learned in this class will improve your quality of life regardless of which career path you choose. Topics to be studied include communication skills, resolving conflicts, building positive relationships, marriage and parenting, stress management, abuse, divorce, and dealing with loss as well as many other topics related to everyday life.

Real Living II

Grade Level: 11-12

Credits: 1

Considerations: This course, or Real Living I, is a required course for graduation. This course will not be offered after the 2021-2022 school year.

Description: The skills learned in this class will improve your quality of life regardless of which career path you choose. Topics to be studied include budgeting, credit use, banking services, insurance, communication skills, resolving conflicts, building positive relationships, marriage and parenting, stress management, abuse, divorce, and dealing with loss as well as many other topics related to everyday life.

FOREIGN LANGUAGE COURSE DESCRIPTIONS:

Spanish I

Grade Level: 9-12

Credits: 2

Consideration: Recommended only for students who have demonstrated proficiency in English courses at the junior high and/or senior high levels.

Description: This course emphasizes speaking and writing basic Spanish from the first day of class. The emphasis throughout the Spanish sequence is developing individual speaking (oral communication) skills. It is an excellent course of study for anyone wanting to improve his/her skills for today's job market. This is especially applicable to Iowa due to the growing Spanish-speaking population in the Independence-Waterloo-Cedar Rapids area. The first term consists of vocabulary acquisition and practice along with limited conversation. The primary goal is to develop the student's automatic speaking responses. The student will be expected to memorize and to master the materials presented through a variety of formats. Various aspects of Hispanic culture both here in the United States and abroad are studied.

Spanish II

Grade Level: 10-12

Credits: 2

Prerequisite: Spanish I

Considerations: Recommended only for students who earned a "C" or better in Spanish I.

Description: This course is a continuation of the study of Spanish grammar and culture. The emphasis is placed on the development of the four skills--- listening, reading, speaking and writing, within a given context and expanding outside of the classroom setting when possible. Having mastered the present tense in Spanish I, students will be exposed to the preterite and imperfect tenses.

Spanish III

Grade Level: 11-12

Credits: 2

Prerequisite: Spanish II

Considerations: Recommended only for students who earned a "C" or better in Spanish II.

Description: The emphasis of this course is based on novels. Students will continue working with different verb tenses and expanding on their communication skills. Students will acquire insight into how languages and cultures work by comparing the target language and culture(s) to their own.

Spanish IV

Grade Level: 12

Credits: 2

Prerequisite: Spanish III

Considerations: Recommended only for students who earned a "C" or better in Spanish III.

Description: The goal of this course is to "polish" the speaking and writing skills of the previous courses. The remaining verb tenses necessary for university-level classes will be mastered. This course also incorporates the study of cultures in Spanish-speaking countries. Completion of the Spanish sequence enables the student to communicate on the job and/or to enroll in college coursework.

INDUSTRIAL TECHNOLOGY COURSE DESCRIPTIONS:

Graphic Communications

Grade Level: 9-12

Credits: 1

Considerations: This is a suggested prerequisite for all other Industrial Technology classes. Skills from Graphic Communications will be applied in all other Industrial Technology classes. Successful completion of Graphic Communications is recommended for any student interested in any Industrial Technology class. Class size limit: 20 students.

Description: This class will introduce students to sketching, drafting, 2D and 3D computer modeling, and computer animations that are used to communicate in industry today. Students will demonstrate the ability to read, print, and measure by completing orthographic and isometric drawings, geometric constructions, and multi-view drawings.

AUTOMOTIVE

Energy, Power, and Transportation

Grade Level: 9-12

Credits: 1

Considerations: Class size limit: 16 students.

Description: Students will analyze the basic operation of an engine by disassembling and reassembling a four-stroke engine. They will also evaluate basic electronics, interpret diagram reading and how to troubleshoot systems. Students will also summarize various modes of transportation and renewable energy sources.

PS Intro to Automotive Technology

Grade Level: 9-12

Credits: 1 high school, 2 college

Recommendation: Successful completion of Energy, Power, and Transportation

Considerations: Class size limit: 16 students.

Description: Students will evaluate how the various auto systems work and interact. This course provides an introduction to the many facets of the automotive industry to include: careers in the automotive industry, environmental concerns affecting the automotive industry, basic automotive hand tools, specialty tools, precision measuring tools, power tools and shop equipment, using service and shop manuals from the high school, and shop safety.

Advanced Automotive System

Grade Level: 11-12

Credits: 1

Prerequisite: Energy, Power, and Transportation and PS Intro to Automotive Technology

Considerations: Class size limit: 16 students.

Description: Students will expand their knowledge of automotive systems and integrate knowledge in engine, transmission, and drivetrain assemblies on in-class projects.

Automotive Restoration

Grade Level: 12

Credits: 2

Prerequisite: PS Intro to Automotive Technology

Considerations: Instructor approval required. Class size limit: 16 students.

Description: Students will expand their knowledge of automotive systems and gain knowledge about automotive bodywork by working on class projects. Students will utilize metal fabrication, paint and finishes, and interior design and layout by working on class projects.

CONSTRUCTION

Wood Processing

Grade Level: 10-12

Credits: 1

Considerations: Class size limit: 16 students.

Description: This class is for the student who enjoys creating something with their hands. Pre-engineering students will also find these 'hands-on' skills invaluable to their education as well. Students will master the proper and safe use of hand and machine tools in the woodworking lab while constructing and finishing a woodworking project. Problem solving, time management in a workplace environment, technical reading, and accurate measuring skills will be reinforced.

Wood Technology

Grade Level: 11-12

Credits: 2

Prerequisite: Wood Processing

Considerations: Must complete Wood Processing with a "C" or better to enroll. Class size limit: 16 students.

Description: This class is for the student who wants to learn to create their own individual project while improving on the skills they learned in Wood Processing. They will **choose their own project** (with instructor approval) as well as research various wood properties and techniques, further utilize the problem-solving process, engineer new processes, maintain equipment, and be responsible for their own organization, time management, efficiency, and self-motivation. A class service project will be completed that will further develop their 21st century employability skills.

Advanced Wood Technology

Grade Level: 11-12

Credits: 1

Prerequisite: Wood Technology

Considerations: Instructor approval required.

Description: Students will **design their own wood project**. They will utilize the design process in creating their plan. They will order their own materials, organize the sequence of operations, research new techniques, and utilize previous knowledge in the laying out, assembling and completing a project. Students will also be responsible for troubleshooting machine repair. They will employ the use of technical manuals, the internet, and manufacturers' technical support in finding solutions to machine repair. Students will also investigate the various opportunities for employment in the wood industry.

Building Trades/PS Intro to Residential Construction/PS Construction Technology Lab

Grade Level: 12

Credits: 4 high school, 6 college

Considerations: Wood Technology is strongly recommended. Students must pass an instructor interview and be scored on a predetermined rubric. Students must also have excellent attendance and a strong work ethic, to be selected for this class. Due to the class limit, only the highest scoring students, on the predetermined rubric, will be accepted. This is a four-term course and all four terms must be completed in order to receive credit. Students receive 6 college credits from Hawkeye Community College for this course if passed with a "C" or above. Class limit: 12 students

Description: Students will demonstrate the ability to safely accomplish specific job related tasks using the most recent construction technologies by following a professional set of blueprints to construct a residential project. They will perform the operations in exterior framing systems, roofing systems, flooring systems, and interior wall systems. They will install windows, doors, drywall, and cabinetry. They will complete the finish trim work, painting, and exterior siding. They will be introduced to the various opportunities that exist in the construction pathway, will work with certified professionals, and be responsible for their attendance and work ethic. They will also be expected to maintain, repair, and safely store the tools of the class.

ENGINEERING

Introduction to Engineering Design

Grade Level: 9-12

Credits: 2

Description: Introduction to Engineering Design teaches problem-solving skills using a design development process. If you are curious about engineering or how things work, this class is for you. Using Autodesk Inventor, students create computer models of many everyday items. Reverse Engineering, Virtual Design Teams, and Prototyping are just some of the units in the course.

Principles of Engineering

Grade Level: 9-12

Credits: 2

Considerations: It is recommended that students take Introduction to Engineering Design before taking Principles of Engineering.

Description: The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology. POE is a high school-level survey course of engineering. The course exposes students to some of the major concepts they will encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high tech careers. POE gives students the opportunity to develop skills and understanding of course concepts through activity, project, and problem based (APPB) learning. Used in combination with a teaming approach, APPB learning challenges students to continually hone their interpersonal skills, creative abilities, and problem-solving skills based upon engineering concepts. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education. Students will employ engineering and scientific concepts in the solution of engineering design problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community.

MACHINING/MANUFACTURING

PS Machine Trade Print Reading

Grade Level: 9-12

Credits: 1 high school, 3 college

Considerations: Successful completion of Machine Trade Print Reading is recommended for any students interested in machining and/or the Exploring Manufacturing Careers Consortium (EMC²) program. Class size limit: 20 students.

Description: This class introduces students to the language of the world of work. Students will develop knowledge and skills necessary to read and interpret a variety of blueprints. Machine Trade Print Reading will improve students' ability to analyze and solve complex technical problems, while using quality control and design equipment. Students may receive college credit from Hawkeye Community College for this course.

Machine Processing

Grade Level: 11-12

Credits: 1

Considerations: This course is required to enroll in the Exploring Manufacturing Careers Consortium (EMC²) program in which a student can complete the first year of the Hawkeye Community College CNC Machinist program while in high school. Class size limit: 16 students.

Description: Students will demonstrate machine tool applications, precision measurement and layout procedures. Students will operate lathe and milling machines and identify through calculation, speeds and feed rates for the materials and tooling being utilized for the project.

PS Intro to CNC Programming I / CAM (Computer Aided Machining)

Grade Level: 9-12

Credits: 2 high school, 2 college

Considerations: Class size limit: 12 students.

Description: Students will create basic programs for CNC mills. Students will use a plain ASCII text editor (like Notepad) to input basic industry standard G and M code programs. Programs are run on verification software to insure accuracy. Speed and feed calculations, mill tooling types and procedures, rectangular coordinates, and file management are other areas of study. Students may receive college credit for this course from Hawkeye Community College.

Machine Technology

Grade Level: 12

Credits: 2

Prerequisite: Machine Processing

Class size limit: 16 students, instructor approval is required.

Description: Students will develop proficiency in the use of machine tooling, taper attachments, and machine setups. Students will utilize measuring devices and demonstrate print reading, speed and feed calculation, and product fabrication skills with lathes and milling equipment.

METALS

Metal Processing

Grade Level: 9-12

Credits: 1

Considerations: Class size limit: 16 students.

Description: Metals play an important part in modern society. In this class we will study metals and the processes that allow us to shape, join, and utilize them. Students will demonstrate their understanding of a variety of processes by applying skills in the areas of sheet metal, oxy-acetylene, arc, and MIG welding, and foundry work.

PS Intro to Welding Safety and G.M.A.W

Grade Level: 9-12

Credits: 1 high school, 3 college

Prerequisite: Metal Processing

Considerations: Class size limit: 12 students.

Description: This course provides students with orientation to the welding profession and will cover the basics of safety and health within the welding profession. This course also focuses on proper weld safety, machine setup and welding techniques of Gas Metal Arc welding short-circuiting transfer. Students perform American Welding Safety compliant welds on carbon steel, in flat, horizontal, vertical and overhead positions. This course will prepare students to take the AWS welder certification test, which is recommended for its successful completion.

MUSIC COURSE DESCRIPTIONS:

Band

Grade Level: 9-12

Credits: 2

Description: Band offers a variety of experiences to its students. Students will study and explore many different styles of music and will have the opportunity to perform in many settings relative to instrumental music education. In addition to daily classroom instruction, each student will receive a weekly individual or small group technique lesson. A student's final grade in Band does count toward his/her GPA.

Concert Choir

Grade Level: 9-12

Credits: 2

Considerations: Extracurricular opportunities for involvement (Divisi, State Solo Ensemble Contest, Honor Choir participation, All-State camps and auditions, and more) are available to those who excel and have a strong work ethic.

Description: Choir is open to all students who are interested in improving their singing voices and the choir as a whole. Four home concerts and a specified number of group lessons are required over the course of the year, as well as State Large Group Contest. Class time is spent rehearsing music of a variety of languages, styles, and cultures. Particular attention will be paid to vocal technique and production. Maximum musical and vocal growth occurs when a student enrolls for four terms; however, the director may make special exemptions. See Mr. Barloon if you have a scheduling conflict. A student's final grade in Choir does count toward his/her GPA.

IS Music

Grade Level: 9-12

Credits: 1

Description: IS Music offers a variety of experiences to its students. Students will study and explore many different styles of music and will have the opportunity to perform in many performance settings relative to music education. In addition to daily classroom instruction, each student will receive a weekly individual or small group technique lesson. A student's final grade in IS Music does count toward his/her GPA.

Color Guard

Grade Level: 9-12

Credits: .5

Description: Color Guard is a select group that explores techniques in flags, dance, and marching. Color Guard meets daily, for the first term only, and performs with the Marching Band. Membership into the group is gained by auditioning each spring. A student's final grade in Color Guard does count toward his/her GPA.

PHYSICAL EDUCATION/HEALTH AND WELLNESS COURSE DESCRIPTIONS:

Per board policy 603.5, students in grades one through twelve shall be required to participate in physical education courses unless they are excused by the principal of their attendance center. Students in grades 9-12 may be excused from physical education courses:

- If the student presents a written statement from a doctor stating that such activities could be injurious to the health of the student, or
- If the student's parent/guardian has filed a written statement with the school principal that the course conflicts with the student's religious beliefs.

Students in grades 9-12 may also be excused from physical education courses for the following reasons:

- Students in grades nine through twelve may be excused by the principal from the physical education requirement in order to enroll in academic courses not otherwise available for the student to fit in his/her schedule.

- A student may be excused by the principal of the school in which the student is enrolled for up to one semester per year if the parent or guardian of the student requests in writing that the student be excused from the physical education requirement. The student seeking to be excused from the physical education requirement must be a participant in an organized and supervised athletic program offered by the school which requires at least as much time of participation as 900 minutes or one-eighth unit of physical education.

Twelfth grade students may also be excused from physical education courses if the student is enrolled in a cooperative, work study or other educational program authorized by the school which requires the student's absence from school. Students who will not participate in physical education must have a completed physical education waiver on file in the counseling office.

A student's first PE, Performance PE or Lifelong Activities Physical Education class during a school year will be considered his/her required PE class, and will count towards PE credit. Required and elective PE/Performance PE/Lifelong Activities Physical Education classes will all count towards the student's GPA.

Physical Education

Grade Level: 9-12

Credits: 1

Description: Physical Education is a required course. The Physical Education course will cover the following per Iowa Code: increased cardiovascular endurance, muscular strength and flexibility, sports and games, tumbling and gymnastics, rhythms and dance, water safety, leisure and lifetime activities, and CPR. Students with a doctor's excuse for an extended period of time will be given written work for credit.

Lifelong Activities Physical Education

Grade Level: 9-12

Credits: 1

Description: Lifelong Activities Physical Education is an alternative to the Physical Education course. Students will learn a variety of rules, skills, fundamentals, and strategies in a variety of individual and dual sport activities. Safety and sportsmanship will be emphasized. Activities include but are not limited to Badminton, pickleball, tennis, bowling, table tennis, and other individual and dual sports. Students will be taught CPR during this class.

Performance Physical Education

Grade Level: 9-12

Credits: 1

Description: Performance PE is an alternative to the Physical Education course. The Performance PE curriculum includes Speed & Agility, Functional Strength Training program which includes various Olympic and Power lifts, Flexibility, Injury Prevention, Character Development, and Proper Nutrition. Students will be taught CPR during this class.

Health and Wellness I

Grade Level: 9-10

Credits: 1

Description: Take a positive step for yourself! Taking this course introduces you to a variety of ways to improve your well-being. Your study will include personal fitness, growth and development, family, nutrition, mental and emotional health, environment, safety, sexuality, consumer health, diseases and disorders, and substance use and abuse.

Health and Wellness II

Grade Level: 11-12

Credits: 1

Description: This class is designed for upperclassmen (juniors and seniors) to expand their knowledge of health and wellness through individual research and presentations. The course will investigate worldwide issues as well as personal health issues. Students will be expected to share their learning with more than their classmates. In depth and/or specialized study of fitness, nutrition, mental and emotional health, growth and development, diseases and disorders, substance abuse, consumer health, sexuality, safety and environmental health will be examined. Health & Wellness I is NOT a prerequisite.

SCHOOL TO WORK COURSE DESCRIPTIONS:

Career Internship

Grade Level: 11-12

Credits: 1

Prerequisite: Students must complete and submit a career internship application by the specified deadline to be considered for acceptance. In addition to this provision, students may be required to participate in an interview with the coordinator prior to acceptance.

Considerations: Class size is limited to 30 students per term. Students are allowed a maximum of two internships per year.

Description: The purpose of a career internship, which is graded on a pass/fail basis, is for juniors and seniors to participate in a work-related opportunity that matches their current career goals. A career internship is only offered as a 90 minute block, unless other arrangements are made with the coordinator. An internship allows students to develop, use, and analyze workplace skills, determine future educational and career goals, and to begin to build a professional networking system. Career internship placements are not guaranteed, may not be offered during periods 5 and 6, and some locations have specific requirements.

LeadWorthy

Grade Level: 10-12

Credits: 1

Description: Students will develop critical, life-changing skills including taking personal responsibility, expressing themselves well, and making good decisions when problems arise. This is a leadership development and character education elective.

SPECIAL EDUCATION COURSE DESCRIPTIONS:

Specific Skill Development (SSD)

Grade Level: 9-12

Credits: 1

Considerations: Only students with an identified IEP with learning needs may take this course.

Description: The Specific Skill Development class provides specially designed instruction to students with Individual Education Programs. Students may receive academic support in identified content areas, with an emphasis on developing specific skills in reading, written expression, mathematics, behavior and 21st century skills.

Life Skills

Grade Level: 9-12

Credits: 1

Considerations: Only students with an identified IEP may take this course.

Description: The Life Skills class provides students opportunities to learn the following skills: self-determination, academic and lifelong learning, daily living, health, money management, social skills, and workplace readiness skills.

Work Experience

Grade Level: 9-12

Credits: 1

Considerations: Only students with an identified IEP with working needs may take this course.

Description: The Work Experience (WE) Program is offered to help students build sound job and personal skills, work habits, attitudes, and develop realistic expectations for potential employment. A work experience placement is offered as a career Internship to students with a documented IEP at Independence High School. Placements are usually one-block in length, 90 minutes long and one school credit is obtained with successful completion. The placement is aligned with the student's IEP and transition goals, and is noted and monitored on the student's IEP. In general, students may only have, and earn credit for, two work experiences per year. Additional opportunities may be provided per the student's IEP and/or instructor approval. Work experience has a student enrollment limit per term.

Postsecondary Skills

Grade Level: 9-12

Credits: 1

Considerations: Only students with an identified IEP with living needs may take this course.

Description: This course will help students develop skills for living as independently as possible. Topics include financial literacy, basic meal preparation, basic cleaning and accessing community services.

EXTENDED LEARNING PROGRAM COURSE DESCRIPTIONS:

Extended Learning Program

Grade Level: 9-12

Credits: 1

Considerations: Due to course expectations, freshmen must have instructor approval to enroll in ELP. 1 credit will be awarded for this per semester.

Description: This course offers a unique opportunity for students to develop their individual aptitudes, talents, and passions in a supportive environment. This course is a self-directed learning experience. The student is given the opportunity to develop real world skills such as time-management, planning, and self-discipline, while investigating areas of interest in an in-depth, individualized way. Course options may include an independent study, a research project, or a service-learning project depending on student interest. All participating students are required to first apply and then follow an approved learning contract and log time on task. All participating students are required to present a final product to an authentic audience.

Advanced Placement (AP) Online Course Information

Eligibility

Students have the opportunity to take any online AP course listed below for high school credit through our Extended Learning Program (ELP). Mrs. Rawlins must approve the registration.

Format

Advanced Placement online classes are available through Apex online and the Belin-Blank Center. A list of classes that are offered for ICSD students is below. If an AP course is offered by an ICSD instructor in a face to face format that course will not be offered online.

Grading

The grading scale used for AP online courses is the same as the one used at Independence Jr/Sr High School. Belin-Blank Center personnel are responsible for all grading. Once the student completes the semester, his/her final grade will be on the term/semester report card and final transcript. Grades for AP courses will factor into a student's term/semester grade point average (GPA) as well as his/her cumulative high school GPA.

Credits

All AP classes are for high school credit only. For a one semester course, students may earn one credit. For a two semester course, students may earn two credits (one at the end of each semester).

Advanced Placement (AP) Exams

Students who complete an AP course may choose to take the AP exam for the designated course. The cost of the AP Exam will be paid for by the student. Exams are given during the month of May at the Junior/Senior High and are proctored by the AP Coach. Students will need to notify their coach, ELP instructor, of their desire to take the exam by November 1, 2020 for first semester and full year courses, and by March 1, 2021 for second semester courses. With qualifying AP Exam scores, students can earn credit, advanced placement, or both at the majority of colleges and universities in the United States and Canada. Individual colleges and universities grant course credit and placement.

Online AP Calculus AB

Grade Level: 12

Credits: 2

Prerequisites: Algebra II, Geometry, Pre-Calculus with Trigonometry

Considerations: Students must have ELP instructor approval to enroll in these online courses. The cost of the AP test must be paid by the student.

Description: 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 set 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. The equivalent of an introductory college-level calculus course, AP Calculus AB prepares students for the AP exam and further studies in science, engineering, and mathematics.

Online AP English Language and Composition

Grade Level: 11-12

Credits: 2

Prerequisites: Two years of high school English

Considerations: Students must have ELP instructor approval to enroll in these online courses. The cost of the AP test must be paid by the student.

Description: Students investigate rhetoric and its impact on culture through analysis of notable fiction and nonfiction texts, from pamphlets to speeches to personal essays. The equivalent of an introductory college-level survey class, this course prepares students for the AP exam and for further study in communications, creative writing, journalism, literature, and composition.

Online AP English Literature and Composition

Grade Level: 12

Credits: 2

Prerequisites: Three years of high school English

Considerations: Students must have ELP instructor approval to enroll in these online courses. The cost of the AP test must be paid by the student.

Description: AP English Literature and Composition immerses students in novels, plays, poems, and short stories from various periods. Students will read and write daily, using a variety of multimedia and interactive activities, interpretive writing assignments, and class discussions to assess and improve their skills and knowledge. The course places special emphasis on reading comprehension, structural and critical analysis of written works, literary vocabulary, and recognizing and understanding literary devices. This course prepares students for the AP exam and for further study in creative writing, communications, journalism, literature, and composition.

Online AP Macroeconomics

Grade Level: 11-12

Credits: 1

Prerequisites: Algebra II

Considerations: Students must have ELP instructor approval to enroll in these online courses. The cost of the AP test must be paid by the student.

Description: AP Macroeconomics students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. The equivalent of a 100-level college-level class, this course prepares students for the AP exam and for further study in business, political science and history.

Online AP Microeconomics

Grade Level: 9-12

Credits: 1

Prerequisites: Algebra I

Considerations: Students must have ELP instructor approval to enroll in these online courses. The cost of the AP test must be paid by the student.

Description: AP Microeconomics studies the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students will learn why the same product costs different amounts at different stores, in different cities, at different times. They'll also learn to spot patterns in economic behavior and how to use those patterns to explain buyer and seller behavior under various conditions. Microeconomics studies the economic way of thinking, understanding the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in promoting a healthy economy.

Online AP Psychology

Grade Level: 10-12

Credits: 1

Prerequisites: Biology

Considerations: Students must have ELP instructor approval to enroll in these online courses. The cost of the AP test must be paid by the student.

Description: AP Psychology provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They will study core psychological concepts, such as the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Along the way, students will also investigate relevant concepts like study skills and information retention. The equivalent of an introductory college-level survey course, AP Psychology prepares students for the AP exam and for further studies in psychology or life sciences.

Online AP Statistics

Grade Level: 11-12

Credits: 2

Prerequisites: Algebra II

Considerations: Students must have ELP instructor approval to enroll in these online courses. The cost of the AP test must be paid by the student.

Description: AP Statistics gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results of a poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics plays an important role in many fields. The equivalent of an introductory college-level course, AP Statistics prepares students for the AP exam and for further study in science, sociology, medicine, engineering, political science, geography, and business.

Online AP U.S. Government and Politics

Grade Level: 10-12

Credits: 1

Prerequisites: U.S. History

Considerations: Students must have ELP instructor approval to enroll in these online courses. The cost of the AP test must be paid by the student.

Description: AP U.S. Government and Politics studies the operations and structure of the U.S. government and the behavior of the electorate and politicians. Students will gain the analytic perspective necessary to critically evaluate political data, hypotheses, concepts, opinions, and processes. Along the way, they'll learn how to gather data about political behavior and develop their own theoretical analysis of American politics. They'll also build the skills they need to examine general propositions about government and politics, and to analyze the specific relationships between political, social, and economic institutions. The equivalent of an introductory college-level course, AP U.S. Government and Politics prepares students for the AP exam and for further study in political science, law, education, business, and history.

Online AP U.S. History

Grade Level: 9-12

Credits: 2

Considerations: Students must have ELP instructor approval to enroll in these online courses. The cost of the AP test must be paid by the student.

Description: In AP U.S. History, students investigate the development of American economics, politics, and culture through historical analysis grounded in primary sources, research, and writing. The equivalent of an introductory college-level course, AP U.S. History prepares students for the AP exam and for further study in history, political science, economics, sociology, and law.

Hawkeye Community College Concurrent Courses

Courses are available through Hawkeye Community College for our high school students. These college courses allow 9-12 grade students to earn both college and high school credit that count toward their high school cumulative grade point average (GPA). Tuition for the concurrent enrollment course is paid for by the Independence Community School District. Hawkeye Community College and Independence Junior/Senior High School require pre-registration to be completed by the required deadlines to be admitted into a course. Any high school student who wishes to take a concurrent enrollment course must have demonstrated proficiency in all three areas—reading, math, and science on the most recent Iowa Assessments. Specified Accuplacer or ACT score is needed for some concurrent courses as well. Deadlines to register for courses are November 30 for spring courses and May 30 for fall courses.

Students will be allowed 10 days at the beginning of each semester to drop college courses. After the 10th calendar day, courses are finalized and any drops after this point must be approved by the administration and may result in an “F” grade for that course on the high school and college transcript. Students who receive an “F” grade in a college course will also receive an “F” grade on their high school transcript. An “F” on a student’s transcript, in these cases, would subject the student to local and state athletic and activity eligibility penalties.

Below is the link to Hawkeye Community College’s course listings (search is done per course subject). www.hawkeyecollege.edu/academics/courses/course-descriptions

Per board policy 604.8, at the student’s request, the District shall purchase the textbook(s) required for concurrent enrollment courses and sell the same to enrolled students at cost. Alternatively, students enrolled in a concurrent enrollment course may buy, rent, or otherwise acquire the textbook, if any, required for the course. Students shall inform the high school counselor prior to the concurrent enrollment registration deadline if they wish to purchase a textbook from the District rather than acquire their own. All textbook fees are subject to the full and partial waiver guidelines described below.

Students must request a textbook fee waiver with the high school counselor prior to the concurrent enrollment registration deadline which shall be communicated to all students each academic term. A written decision will be provided to the applicant within a reasonable amount of time. The following guidelines will be applied:

Full Waiver—a student shall be granted a full waiver of all fees if:

- The student or the student’s family meets the financial eligibility criteria for free meals offered under the Child Nutrition program;
- The student or the student’s family meets financial eligibility criteria for participation in the Family Investment Program;
- The student or the student’s family is eligible for transportation assistance under open enrollment provided under 281 Iowa Administrative Code r. 17.9(3); or
- The student is in foster care.
- Supplemental Security Income eligibility is not a qualifier because a student may qualify for SSI without regard to financial circumstances.

Partial Waiver—a student shall be granted a partial waiver of fees if:

- The student or the student's family meets the financial eligibility criteria for reduced price meals under the Child Nutrition Program.
- A partial waiver shall be based on a sliding scale related to an ability to pay.

Temporary Waiver—at the discretion of the school board, a student may appeal for or be granted a temporary waiver of a certain fee or all fees in a hardship case.

- Temporary Waivers will be determined on a case-by-case basis and may be granted at any time during the school year.
- The maximum length of a temporary waiver shall be one year.

CONCURRENT COURSES OFFERED AT INDEPENDENCE SENIOR HIGH SCHOOL

*AUT 106	Introduction to Automotive Technology
*WEL 244	Gas, Metal, Arc Welding Short Circuit Transfer
*WEL 228	Introduction to Welding, Safety & Health of Welders
*MFG 122	Machine Trade Print Reading I
*MFG 157	Intro to CNC Programming I
*CON 102	Introduction to Residential Construction
*CON 133	Construction Technology Lab
*ECE 103	Introduction to Early Childhood Education
*ECE 133	Child Health, Safety & Nutrition
*ECE 243	Early Childhood Guidance
*ECE 158	Early Childhood Curriculum I
ENG 105	Composition I
ENG 106	Composition II
SPC 101	Fundamentals of Oral Communication
MAT 156	Statistics
MAT 210	Calculus I (via Zoom-Teleconference only)
MAT 216	Calculus II (via Zoom-Teleconference only)
*PNN 100	Nursing Assistant (CNA)
PSY 111	Introduction to Psychology
SOC 110	Introduction to Sociology

* No proficiency scores are required prior to approval.

All other courses, proficiency scores are required on ISASP, MAP or Accuplacer prior to approval.

Extracurricular Activities

The Independence Community School District strives to offer activities outside of the regular school day to provide a well-rounded learning environment. No additional course credits are earned for participation in extracurricular activities outside of the normal school day.

Athletics

Football
Volleyball
Boys Cross Country
Girls Cross Country
Boys Basketball
Girls Basketball
Wrestling
Boys Bowling
Girls Bowling
Boys Track
Girls Track
Boys Golf
Girls Golf
Boys Tennis
Girls Tennis
Boys Soccer
Girls Soccer
Baseball
Softball
Cheerleading
Boys Swimming
Girls Swimming
Dance Team

Drama and Speech

Fall Play
Speech Large Group
Speech Individual Events

Vocal Music

Small Groups
Divisi
Spring Musical

Instrumental Music

Pep Band
Jazz Band
Marching Band
Color Guard

Organizations

Student Council
National Honor Society
Silver Cord
FFA
FCCLA
DECA

Activities

Yearbook
Battle of the Books
Mock Trial
Robotics
AV Tech



FOUR YEAR PLANNING FORM



Date: _____ Student Name: _____

Grade: _____ Parent Signature: _____

Grade 9

Period	Term 1	Term 2	Term 3	Term 4
1	English 9	English 9	English 9	English 9
2	American History	American History	American History	American History
3	Math Course	Math Course	Math Course	Math Course
4	Science Course	Science Course	Science Course	Science Course
5	Real Living I	Real Living I	Earth Science	Earth Science
6	PE Course	PE Course		
7				
8				

Grade 10

Period	Term 1	Term 2	Term 3	Term 4
1	English 10	English 10	English 10	English 10
2	World History 10	World History 10	Psychology or Sociology	Psychology or Sociology
3	Math Course	Math Course	Math Course	Math Course
4	Science Course	Science Course	Science Course	Science Course
5	PE Course	PE Course		
6				
7				
8				

Grade 11

Period	Term 1	Term 2	Term 3	Term 4
1	U.S Government	U.S Government	Economics	Economics
2	English 11	English 11	English 11	English 11
3	Science Course	Science Course	Science Course	Science Course
4	Math Course	Math Course	Math Course	Math Course
5	PE Course	PE Course	Psychology or Sociology	Psychology or Sociology
6				
7				
8				

Grade 12

Period	Term 1	Term 2	Term 3	Term 4
1	English Language Arts	English Language Arts	English Language Arts	English Language Arts
2	PE Course	PE Course	Real Living II	Real Living II
3				
4				
5				
6				
7				
8				



Independence Jr/Sr High School

700 20th Ave SW
Independence, Iowa 50644

(319) 334-7405 Phone
(319) 332-1296 Fax

John Howard ♦ Principal
Justin Putz ♦ Activities Director

Dewey Hupke ♦ Assistant Principal
Kris Martin ♦ Student Success Coordinator

APPLICATION FOR SENIOR RELEASE 2020-2021

Senior students may apply for ONE senior release block (or two periods) per term. Schedules cannot be changed to place the excused block wherever the student wants it to be for the term/year.

THIS PRIVILEGE MAY BE REVOKED AT ANY TIME.

QUALIFICATIONS FOR SENIOR RELEASE:

1. Cumulative GPA of 2.5 or higher on a 4.0 scale.
2. Good standing in terms of behavior and attendance as deemed by administrative personnel.
3. Proficient in 3 of 4 areas of Iowa Assessments.

REGULATIONS FOR SENIOR RELEASE:

1. Students agree to attend any special meetings or events scheduled for them during their excused block.
2. Students who choose to remain in the building during senior release should not cause a disruption and should remain in the library, Main Street – Commons Area.
3. Students may only have ONE senior release per term/semester (up to two periods).

INFRACTIONS THAT MAY RESULT IN LOSS OF SENIOR RELEASE DURING ANY ONE OF THE FOUR TERMS:

1. The second time a student is found guilty of truancy.
2. Disturbance of classes in session.
3. The third tardy for the block following the excused block.
4. Failure to turn in signed permission slip to the office.
5. Failure to sign out and in at the office.
6. Any other infraction in which the administration deems suspension/revocation of senior release is warranted.
7. Failure to attend any special meetings or events scheduled for them during their excused block.

My son/daughter _____ has permission to apply for one or more of the four terms of 2020-2021 school year. I have read the above regulations and agree to abide by these expectations. The parent/guardian signature below confirms I have been fully informed about the senior release policy and confirms my child may leave school for that time frame. Further, my signature releases Independence Community Schools and all personnel from any liability associated with the senior release. Students who don't have this signed form on file are not permitted to leave the building.

STUDENT PRINTED NAME _____

STUDENT SIGNATURE _____

PARENT/GUARDIAN PRINTED NAME _____

PARENT SIGNATURE _____ DATE _____



Independence Jr/Sr High School

700 20th Ave SW
Independence, Iowa 50644

(319) 334-7405 Phone
(319) 332-1296 Fax

John Howard ♦ Principal
Justin Putz ♦ Activities Director

Dewey Hupke ♦ Assistant Principal
Kris Martin ♦ Student Success Coordinator

Physical Education Waiver **2020-2021**

Per Board Policy 603.5, students in grades one through twelve shall be required to participate in physical education courses unless they are excused by the principal of their attendance center.

Students in grades 9-12 may also be excused from physical education courses if:

- The student presents a written statement from a doctor stating that such activities could be injurious to the health of the student.
- The student has been exempted because of a conflict with the student's religious beliefs.
- The student is enrolled in academic courses not otherwise available.
- The student has obtained a physical education waiver for **one semester** because the student is actively involved **in an organized and supervised athletic program offered by the school**, which requires at least as much time of participation as 900 minutes or one-eighth unit of physical education.
- Twelfth grade students may also be excused from physical education courses if the student is enrolled in a cooperative work-study or other educational program authorized by the school, which requires the student's absence from school.

Note: Band, Marching band and/or Color Guard, per state guidelines, does not meet the requirement for a PE exemption.

Students who will not participate in physical education must have a written request or statement from their parent/guardian on file in the counseling office.

Student: _____

Reason for waiving PE per board policy: _____

Parent/Guardian Signature: _____

Principal signature: _____

☐ Approved

☐ Denied Reason for Denial _____

Date: _____