

APLINGTON- PARKERSBURG



2017-2018 EDUCATIONAL PLANNING HANDBOOK

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HIGH SCHOOL ADMINISTRATION

Mr. Jon Thompson, Superintendent
Mr. Aaron Thomas, Principal

The Aplington-Parkersburg Community School does not discriminate on the basis of sex, race, religion or physical disability in employment or in access to or participation in educational programs and services. Inquiries concerning the application of this statement should be addressed to the District Compliance Coordinator: Elementary Principal (319-346-2446).

MISSION STATEMENT

The Aplington-Parkersburg Schools are committed to promoting life long intellectual and personal growth.

GOALS

1. Students will develop the capacity to think critically and to communicate effectively through a mastery of language.
2. Students will learn about themselves, the human heritage and the interdependent world in which they live through a core curriculum based upon consequential human experiences common to all people.
3. Students will prepare for work and further education through a program of electives and extra-curricular activities that develop individual aptitudes and interests.
4. Students will fulfill their social and civic obligations through school and community service.

Dear PARENTS:

Your children are the most important part of our school. We at Aplington-Parkersburg High School want to do all we can to provide your children with a properly planned education. For this reason, the high school staff has developed this Educational Planning Handbook.

The information contained in this book is offered as a guide for planning your child's educational experience. It is important that you carefully study the general information and course descriptions before helping your child make the decisions concerning which classes to take. This cooperative effort between parent and student in planning the student's course of study is as important, if not more important, than the effort between school and student. Please take the time to discuss with your child his/her goals and desires and then work with your child to request the courses that will work toward meeting those goals.

Although our scheduling process is flexible, we are only capable of scheduling a specific number of classes; therefore, we urge you to select alternative classes that will fulfill your child's educational needs.

The descriptions in this handbook provide a general view of what is involved in each course or activity. If you desire more specific information, you may make an appointment with the instructor.

Please feel free to contact my office if you have any questions.

Sincerely,

Aaron Thomas
Principal
319+346-1571

Dear STUDENT:

Your high school experience prepares you for life after graduation. It is never too early to start thinking about the future. In an effort to help you with your planning, your teachers have developed this Educational Planning Handbook.

As you read through the general information section of this book, take notice of the four-year course offerings suggested for the college-bound and the non-college-bound student. If college is in your future, pay close attention to the entrance requirements of the three major universities in Iowa. While some requirements may vary at other state or private colleges, many of them will be the same. All students should carefully examine the career clusters on page 15 and note the courses under each career.

The course descriptions give you an idea of what is involved in each course. As you begin selecting courses, make a list of them on a separate sheet of paper. Put them in order of most important to least important. You must list more than you need for the year.

We want your high school experience to be one of learning, growth and fulfillment. We feel this is best accomplished through a wide range of experiences; however, keep in mind that not all students can maintain the same workload or pace. Make your choices wisely so that you will be able to do your best in all your academic and extracurricular pursuits. If you have any questions or need any help, feel free to see the Guidance Counselor or me.

Best wishes in your educational career,

Aaron Thomas
Principal

GUIDANCE OFFICE

Mr. Gary Flanigan, Counselor

Throughout the high school years, students will find themselves needing skills in making decisions in a variety of very important matters - personal, social and academic. Indeed, the choices that students make at this age might have great importance upon their future. The Guidance Office, with its many services, is available to every student.

The Guidance Counselor will assist:

- | | |
|--------------|--|
| Students | <ul style="list-style-type: none">* in developing an understanding of self and others in order to strengthen problem-solving skills.* in understanding their abilities, in identifying goals for learning and in developing study skills.* in becoming aware of and exploring different careers. |
| Parents | <ul style="list-style-type: none">* in learning about their child's abilities and progress in school.* in becoming aware of attitudes and behavioral changes in their child during the school years.* in understanding the school program and procedures.* in gaining information that is helpful for their child's post secondary planning, including financial aid. |
| School Staff | <ul style="list-style-type: none">* in understanding the student's individual needs, behavior and ability.* in carrying out communications with parents through conferences, staffings or various assessments.* in coordinating / planning a student's program and placement. |

Your high school Guidance Office utilizes a variety of resources to get information to students and parents / guardians. Every effort is made to connect the individual student with appropriate opportunities and information through:

- 1) Small and large group information sessions as needed,
- 2) Handouts, Mailings, Announcements, Technology,
- 3) Individual Conferences, and
- 4) Resource Persons - Consultations

The largest portion of important information that comes through this office is for Juniors and Seniors. For this reason, it is very important that students keep the Guidance Office informed of their interests and needs. By doing so, the Guidance Counselor can be of better service to them.

LIBRARY MEDIA CENTER

Mrs. Nancy Flanigan, Media Specialist

The school library media center program encompasses all the resources and activities through which the library media staff can help students obtain their educational goals. The library media center program provides appropriate learning resources in many formats such as print and non-print sources and Internet. Teachers and students learn to use new information technologies as teaching and learning tools. The library media center also provides a computer lab for students to use to complete assignments.

The library media center provides services to both the student and staff with selection, location and circulation of materials. The library media staff will assist with the operation, repair and set-up of various audio-visual materials. When requested, the library media staff will prepare various bibliographies for classroom use. The staff is also ready to assist students and teachers in the use of computer hardware and software in various formats.

The library media center is open to students and staff throughout the school day.

DEFINITION OF TERMS

CLASS RANK A rating which compares your cumulative grade point average to other members of your class. Class rank is often used as a college admissions and scholarship standard.

COURSE A separate unit of instruction which is part of a complete series of studies leading to graduation.

CREDIT This is granted upon successful completion of an 18-week (Trimester) course which meets 200 minutes per week or the equivalent of 60 hours of instruction.

ELECTIVE COURSE A course you may choose to enroll in that is NOT required.

GRADE POINT

- A = 4.0 points
- A- = 3.67 points
- B+ = 3.33 points
- B = 3.0 points
- B- = 2.67 points
- C+ = 2.33 points
- C = 2.0 points
- C- = 1.67 points
- D+ = 1.33 points
- D = 1.0 point
- D- = 0.67 point
- F = 0 point
- S = 0 points
- U = 0 points

Grade Point This is the total grade points divided by courses completed in which *Average*: the grade point is applied.

Cumulative Grade Point: Average: This is the total grade points of every trimester grade from every course taken in grades 9 through 12. *Cumulative G.P.A.* is used to determine class rank: it is reported to schools to which seniors apply for admission.

GRADUATION REQUIREMENTS Requirements established by the school district which must include State standards.

PREREQUISITE Course / courses which must be taken before you enroll in another related course.

REQUIRED COURSE Any course which is required for graduation.

COURSE Twelve weeks of a school year.

SATISFACTORY/ UNSATISFACTORY This is an option for grading in some courses. This means that a student receives credit for passing a particular course, but the grade is NOT applied to the grade point average.

ACADEMIC PROGRAM GUIDELINES

1. Students are required to take fifteen credits each year.
2. All students graduating from Aplington-Parkersburg High School must successfully complete a minimum of fifty-two credits or a converted equivalent.
3. In order to complete graduation requirements, a student needing to attend high school a fifth year may request a partial schedule.
4. Students transferring to Aplington-Parkersburg High School will be assigned a grade level. From that point, all graduation requirements of the Aplington-Parkersburg High School will be in force.
5. Courses taken outside the Aplington-Parkersburg High School curriculum such as correspondence courses, must have prior approval of the Counselor and Principal.
6. If a student must repeat a course, this course may be repeated at Aplington-Parkersburg High School or an alternative way to complete the course that may be arranged with the approval of the Counselor and Principal. The previous grade *MAY* be deleted, depending on the circumstances.
7. Students will be classified as freshmen, sophomores, juniors or seniors based on the amount of credits they have successfully completed.

Freshman	0 - 12 credits
Sophomore	13 - 27 credits
Junior	28 - 40 credits
Senior	41 - 52 credits

POLICY FOR COURSE CHANGE

1. Student-initiated changes **MUST** be requested by the end of the second day of any given trimester.
2. Students are permitted to drop courses mid-term only with administrative approval, and must have a full academic schedule.

EXPLANATION OF HIGH SCHOOL PERMANENT RECORD (Grades 9-12)

1. Grading System

<u>Grade</u>	<u>Description</u>	<u>Percent</u>
A	Excellent	90-100
B	Good	80-89
C	Average	70-79
D	Below Average	60-69
F	Failure	0-59
I	Incomplete	
S	Satisfactory	
U	Unsatisfactory	
Ex	Excused from P.E.	

2. Method of Ranking Students
 Students are ranked together in all subjects taken in grades 9, 10, 11 and 12. Due to course content, physical education, vocal music and instrumental music are considered academic subjects.

3. Graduation Requirements * (* Exception -- early graduation)
 Certificates of graduation will be issued to those students who have earned 52 or more Trimester credits. These fifty-two credits must include (in the four years) the following:
For Class of 2011 & following:

English - 8 credits	Science - 6 credits
Social Science - 6 credits	Physical Education - 4 credits
Mathematics - 6 credits	and Health - 2 credits

REQUIRED COURSES

Ninth Grade

English I
 Western Civ
 * Math
 Physical Science
 Physical Education
 Earth Science (Can be taken as a 9th or 10th grader)
 Personal Health I (Can be taken as a 9th or 10th grader)

*NOTE: Besides the required courses listed here, one (1) additional math requirement must be taken - preferably in eleventh grade.

Tenth Grade

English II
 Speech
 American History
 Biology
 Physical Education / Personal Health I
 * Math

Eleventh Grade

College-related Literature classes
OR two of the American Lit classes
 Physical Education
 * Math
 Careers

Twelfth Grade

English IV **OR** Composition I AND Composition II
 Government / Economics
 Physical Education
 * Math Strongly Suggested

SUGGESTED SEQUENCE OF COURSES

<u>SUBJECT</u>	<u>GRADE 9</u>	<u>GRADE 10</u>	<u>GRADE 11</u>	<u>GRADE 12</u>
English	English I	English II Speech	two Literature classes (1 tri. ea)	English IV <i>OR</i> Composition I AND Composition II
Social Studies	Western Civilization (2010)	American History		Government Economics
Math	Career Math, Pre-Algebra, Algebra I <i>OR</i> Geometry Principles of Geometry & Algebra		-----MATH ELECTIVES -----	
Science	Physical Science Earth Science (can be taken either 9 th or 10 th Grade)	Biology Earth Science	Chemistry	SCIENCE ELECTIVES
Physical Education / Health	Physical Education	Physical Education Personal Health I (can be taken either 9th or 10th grade)	Physical Education	Physical Education
Electives	Agricultural Science, Art, Business Education, Computer Science, Family & Consumer Science, Foreign Language, Industrial Technology, Language Arts/English, Mathematics, Music, Post Secondary Enrollment, Resource Room, Science - Physical & Life, Social Science			

WHICH ELECTIVES SHOULD I TAKE?

As you use this guide, keep these things in mind:

1. Select several occupational fields in which you are interested.
2. Notice that many courses are important to practically all occupations. If you plan wisely, you can change and modify your occupational objectives without losing the value of the courses you have already taken.
3. Select courses in light of your specific needs. In most cases, you will have a well-rounded education if you include a variety of elective courses.
4. Evaluate the courses you should take not only in relation to occupational objectives, but also in relation to your interests, abilities and past performance.
5. Study course descriptions so you will fully understand what the course is about and what will be expected of you as a student.
6. Be ready to work with your counselor and teachers in planning your high school program.

EARLY GRADUATION POLICY

The requirements for a student to graduate early (at the end of the first Trimester of his/her senior year) are:

1. Fifty-two (52) credits (including the successful completion of all required course)
2. Must take the following courses during the first trimester of the senior year:
 - a. Economics
 - b. Government
 - c. Physical Education
 - d. one Trimester of a senior English course

CAUTION --- STUDENTS MUST MEET THE ADMISSION REQUIREMENTS OF THE POST SECONDARY SCHOOL THEY PLAN TO ATTEND. Can you complete the required courses in the first trimester? Do you need TWO credits of English in your senior year?

3. Juniors must get permission for early graduation from both the Guidance Counselor and Principal. The student must also bring a written permission letter from their parent/guardian to the high school counselor/principal. Names of Early Graduates will be submitted to the School Board for approval.

Students who graduate early cannot attend Prom or go on the Senior Trip.

Students who graduate early will have the right to attend graduation ceremonies in the spring if they so desire.

EXTRA-CURRICULAR PROGRAMS

ATHLETICS

Baseball
Basketball - Boys
Basketball - Girls
Cheerleading
Drill Team
Football
Golf - Boys
Golf - Girls
Soccer - Girls
Softball
Tennis - Boys
Tennis - Girls
Track - Boys
Track - Girls
Volleyball
Wrestling

FINE ARTS

Band - Public Performances
Drama
Individual Speech
Jazz Band
Large Group Speech
Plays
Small Group Band
Small Group Choir
Swing Choir
Vocal - Public Performances

ORGANIZATIONS / Programs

FFA
Mentor Program
National Honor Society
S.A.D.D.
Spanish Club
Student Government
Talented and Gifted Program
Book Club
Cyber-Patriot
Robotics
Academic Decathlon

POST-SECONDARY ENROLLMENT OPTION

Chapter 261c of the Iowa Code provides the opportunity for you to attend a post secondary education institution on a part time basis while you are enrolled at Aplington-Parkersburg High School. Those who may qualify are: (a) ninth or tenth grade students who are identified according to the school district's talented and gifted criteria / procedures, (b) eleventh or twelfth grade students and (c) those who meet the entrance requirements of the institution the student wishes to attend.

ELIGIBLE COURSES

1. The course must be offered by an institution of higher learning under the control of the Board of Regents, such as UNI, ISU or U of I; or Private College; or certain accredited private institutions.
2. The course must be a nonsectarian course.
3. The course is not eligible if a comparable course is available at Aplington-Parkersburg High School.
4. The course must be a credit-bearing course that leads to an educational degree. The course must be taken for credit at the post secondary institution.
5. Eligible courses are limited to the discipline areas of mathematics, science, social sciences or courses in career option program.

GRANTING OF ACADEMIC CREDITS

Students wishing to enroll under this act must complete a "Notice of Student Registration Form" and submit it along with a brief course description to their high school principal.

The Board of Education will determine if the high school credit will be granted for successful completion of the post secondary course and also the number of credits to be granted. A recommendation for granting such credit must come from the guidance counselor, the high school principal and the superintendent.

FINANCIAL ARRANGEMENTS

Post secondary institutions will bill the local school district for tuition and fees for each course, not to exceed \$250. Equipment that becomes the property of the student will be the financial responsibility of that student.

The parent / guardian of the student enrolled in such a post secondary course shall furnish transportation for the student to and from the post secondary institution.

SUPPORT SERVICES

Students contemplating enrollment in a post secondary course should consult with the high school counselor and a counselor from the post-secondary institution providing the course. They will determine the appropriate course work to meet the needs of the student and to help arrange the necessary schedule. (See form - next page)

COURSE COMPLETION

The enrollment of a student in a post secondary course commits Aplington-Parkersburg High School to a financial obligation to the post secondary institution. It is expected that the student and his / her parents will assume the academic and social responsibility to see that the course is successfully completed. Failing or not completing a course may adversely affect a student's continued participation in this program.

Requirements for graduation from Aplington-Parkersburg High School are spelled out in detail in the "Educational Planning Handbook". Upon approval by the Board of Education, a post secondary course may be taken with high school credit also being granted and may be used to partially fulfill those graduation requirements.

FURTHER DETAILS

There are many requirements that will be different for each individual case. If you are interested in this program, please contact your guidance counselor or principal.

Concurrent Enrollment Options

Aplington-Parkersburg students who take classes at the Western Outreach Center will receive high school credit along with college credit from Hawkeye Community College. Students are required to pay a \$35 textbook fee per course they take. Students are required to provide their own transportation to the WOC, may student car pool together. Classes run at the WOC on days that we have early outs and students are expected to attend WOC

classes on days A-P does not have class and should attend a college class over a high school course when A-P has an adjusted schedule.

Concurrent enrollment classes are treated as college courses, while a student receives high school and college credit it is treated like a college course and the high school does not have any input on the student's grade.

If a student fails a concurrent course the student will be denied taking further college classes unless receiving administrative approval as the school district will still be charged for the class that the student enrolls in.

Requirements to take Concurrent courses

1. Junior, Senior, or Tag Student
2. Qualifying score on the ACT or Accuplacer Test (See guidance counselor or librarians for the score required to take the course you are interested in taking).
3. Register on my Hawkeye with the HCC college rep that comes to our school OR Mr. Flanigan.

Requirement and Procedures for Taking College Classes At A-P

Requirements

- 1) Junior, Senior or Tag student
- 2) Take Accu-Placer Test or ACT
 - Accu-Placer: See Gary Flanigan or Library Associates for score required for specific classes.
 - ACT: Obtain Score of: 19 in each area
- 3) To take Accu-Placer,
 - Talk to Library Associates or Mr. Flanigan. Students may set up time to test on their laptops.
 - First time is free, \$5 each time after

Procedure For Classes through Hawkeye

- 1) Make an appointment with Mr. Flanigan.
- 2) HCC will come to our school and you will register with them on MY HAWKEYE.
- 3) You can drop class within 3 days without penalty or grade
 - Changes or additions through the year must be done with Mr. Flanigan
- 4) Students will get college and high school credit for class
- 5) If a student fails a college class, the student will be removed from any further college classes and denied taking additional college courses without administrative approval.

Procedure For Classes Through High School or Outreach Center

Types of Classes Offered

- 1) **At A-P High School (Contracted Classes, I register the students here)**
 - Statistics
 - Exploring Physical Science
 - Psychology
 - Calculus I
 - Math Liberal Arts
 - Word Processing

- Intro to Psychology
- Composition I
- Fundamentals of Oral Communication
- Composition II
- U.S. History
- CNC Print reading
- Nutrition
- Principals of Agronomy
- Medical Term
- Nurse Assistant
- CNC Programming
- Intro to Accounting
- Data Spread Sheets
- Communications

CAREERS AND COURSES

The fifteen career clusters listed below represent broad generalizations of career opportunities. The courses recommended under each heading might be helpful or important to students considering a career within that area. The courses listed represent those courses offered at Aplington-Parkersburg High School. **The course required at the Junior level at A-P called "Career Skills" provides assistance regarding careers and job skills.** Current information regarding specific careers/occupations is readily available through CHOICES--our computerized, career information system.

Agriculture / Agribusiness

Biology
Advanced Biology
Computer Applications
Agricultural Science
English courses
Math courses
Small Engines & Power
Electricity
Book keeping / Record keeping
Introduction to Business
Chemistry
Metals
Industrial Technology
Horticulture
Advanced Horticulture

Business & Office

Statistics
Calculus I
Career Math
Accounting
Advanced Accounting
English courses
Computer Applications
Introduction to Business
Bookkeeping / Recordkeeping
Economics
Sociology
Formatting
Computer Applications
Fashion Marketing

Communications & Media

Electricity
Art I
Individualized Art
Career Math
Advanced Composition
Graphic Design
Fashion Marketing

Construction

Algebra
Geometry
Physics
Electricity
Woodworking
Advanced Math
Building Trades
IED

Consumer Science

Health
Teen Living
Foods
Clothing & Fashion
Sociology
Career Math
Life
Introduction to Business
Graphic Design
Fashion Marketing
Fashion Design

Fine Arts & Humanities

Choir
Band
Physical Education
Health
Art
English courses
Graphic Design

Health

Biology
Advanced Biology
Physics
Health
Family & Consumer Sciences
Chemistry
Algebra
Geometry
English courses
Sociology
Psychology
Human Anatomy
Exploring Science

Hospitality & Recreation

Career Math
Family & Consumer Sciences
Bookkeeping /Recordkeeping
Introduction to Business
Foods
English courses
Sociology
Health
Physical Education
Character Leadership
Statistics

Maintenance & Repair

Career Math
Electricity
Small Engines & Power
Industrial Technology
Agricultural Science
Woodworking

Manufacturing

English courses
Introduction to Business
Career Math
Industrial Technology
Computer Drafting
Metals
IED
POE

Marketing & Distribution

Art I
Individualized Art
English courses
Career Math
Accounting
Advanced Accounting
Family & Consumer Science
Foods
Bookkeeping/Recordkeeping
Introduction to Business
Computer Applications
Graphic Design
Statistics
Intro to Fashion Marketing
Fashion Marketing

Natural Resources & Environment

Algebra
Geometry
Chemistry
Physics
Ecology
Biology
Agricultural Science
Government
English courses
Sociology
Advanced Biology
Exploring Science

Personal Services

Agricultural Science
English courses
Career Math
Health
Character Leadership

Public Service

Physical Education
English courses
Spanish
Western Civilization
American History
Government
Economics
Introduction to Business
Bookkeeping/Recordkeeping
Sociology
Psychology
Health
Career Math
Algebra
Geometry
Advanced Math
Physics
Ecology
Electricity
Computer Applications
Character Leadership
Fashion Design

Transportation

Industrial Technology
Computer Drafting
Physics
Career Math
Algebra

ADMISSION REQUIREMENTS FOR IOWA'S PUBLIC UNIVERSITIES

The admission of freshman applicants to the Iowa Regent Universities is based on a Regent Admission Index which combines four factors: ACT composite score, high school rank, high school grade point average, and number of high school courses completed in the core subject areas.

A Regent Admission Index (RAI) will be calculated for each freshman applicant using the equation below:

$$\text{RAI} = (2 \times \text{ACT composite score}) + (1 \times \text{high school rank}) + (20 \times \text{high school grade point average}) + (5 \times \text{number of high school courses completed in the core subject areas})$$

Note: For purposes of calculating the Regent Admission Index, ACT composite score has a top value of 36 (SAT scores will be converted to ACT composite equivalent); high school rank is expressed as a percentile with 99% as the top value; high school GPA is expressed on a 4-point scale; and number of high school courses completed in the core subject areas is expressed in terms of years or fractions of years of study.

Freshman applicants from Iowa high schools who have an RAI of at least 245 and who meet the minimum number of high school courses required by the Regent universities will qualify for automatic admission to any of the three Regent universities. Freshman applicants who have an RAI below 245 may also be admitted to a specific Regent university; however, each Regent university will review these applications on an individual basis and the admission decision will be specific to each institution. Freshman applicants from approved high schools in other states may be held to higher academic standards, but must meet at least the same requirements as graduates of Iowa high schools.

COLLEGE PREPARATORY CURRICULUM

There is no standard set of specific courses required by all colleges. Some will only suggest "recommended high school preparation". Others may be quite specific and will list required high school courses. Out-of-state colleges may set higher standards for students from other states. **To be certain of current requirements, consult a catalog or literature from that particular school.** Listed below are very general guidelines you should consider if you want to plan a fairly typical college preparatory program.

1. Three years of mathematics (to include two or three years of courses specified by each school)
2. Three years of science (to include specified science courses)
3. Three to four years of social studies (to include specified courses)
4. Four years of English / Language Arts (to include specified courses)
5. Two years of a Foreign Language are required or recommended for students entering some four-year colleges / universities (see Foreign Language statement on page 17)
6. If students have a particular interest in a subject area, they are encouraged to take additional electives in that area. Example: If your area of interest is science, you may want to take ecology and physics.

COLLEGE PREPARATORY REQUIREMENTS

<u>SUBJECT</u>	<u>GRADE 9</u>	<u>GRADE 10</u>	<u>GRADE 11</u>	<u>GRADE 12</u>
English	English I	English II / Speech	American Literature Composition Advanced Comp	Advanced Comp <i>OR</i> English IV
Social Studies	Western Civilization	American History		Government Economics
Math	Career Math Pre-Algebra Algebra <i>OR</i> Geometry	Algebra I <i>OR</i> Geometry	Geometry <i>OR</i> <i>OR</i> Algebra II	Advanced Math <i>OR</i> Calculus
Science	Physical Science Earth Science (9 th or 10 th Grade)	Biology	Chemistry	Science Elective Physics (Depending on college)
Physical Education / Health	Physical Education	Physical Education / Personal Health I	Physical Education	Physical Education
Electives	Agricultural Science, Art, Business, Computer Science, Family & Consumer Science, Foreign Language, Industrial Technology, Language Arts/English, Math, Music, Science, Social Science			

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to meet University graduation requirements.

2 years of one foreign language
Freshmen may be admitted to the College of Engineering on a conditional basis with an opportunity to complete two Trimesters of a foreign language at the University

Business, Design, Education, Engineering and Family and Consumer Sciences.

2 years of a single foreign language for admission to the College of Liberal Arts and Sciences

Electives	2 years of additional courses from the required subject areas, foreign languages or fine arts	Elective courses are not required for admission to the University of Iowa	Elective courses are not required for admission to Iowa State University
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COURSE REQUIREMENTS FOR ADMISSION TO IOWA'S REGENT UNIVERSITIES

<u>To enter</u>	<u>University of Northern Iowa</u>	<u>The University of Iowa</u>	<u>Iowa State University</u>
English	4 years including one year of composition; also may include one year of speech, communication or journalism.	4 years with an emphasis on the analysis and interpretation of literature, composition and speech	4 years of English / language arts emphasizing writing, speaking and reading as well as an understanding and appreciation of literature
Math	3 years including one year of algebra and sequential courses of increasing or parallel levels of difficulty	3 years including two years of algebra and one year of geometry for admission to the College of Liberal Arts 4 years including two years of algebra, one year of geometry and one year of higher mathematics (trigonometry, analysis or calculus) for admission to the College of Engineering	3 years including one year each of algebra, geometry and advanced algebra
Science	3 years including courses in each general science, biology, chemistry, earth science or physics; laboratory experience highly recommended	3 years including one year each from any two of the following: biology, chemistry and physics for admission to the College of Liberal Arts 3 years including at least one year of chemistry and one year of physics for admission to the College of Engineering	3 years including one year of courses from two of the following fields: biology, chemistry and physics
Social Studies	3 years including courses in anthropology, economics, geography, government, history, psychology or sociology	3 years with U.S. and world history recommended for admission to the College of Liberal Arts 2 years with U.S. and world history recommended for admission to the College of Engineering	2 years including one year of U.S. history and one semester of U.S. government for admission to the Colleges of Agriculture, Business Design, Education, Engineering and Family & Consumer Sciences 3 years including one year of U.S. history and one semester of U.S. Government for admission to the Colleges of Liberal Arts and Sciences
Foreign Language	Foreign language courses are not required for admission to UNI. These courses may be used to meet University graduation requirements	2 years of one foreign language for admission to the College of Liberal Arts 2 years of one foreign language Freshmen may be admitted to the College of Engineering on a conditional basis with an opportunity to complete two semesters of a foreign language at the University	Foreign language courses are not required for admission to the Colleges of Agriculture, Business, Design, Education, Engineering and Family and Consumer Sciences 2 years of a single foreign language for admission to the College of Liberal Arts and Sciences

Electives

2 years of additional courses from
The required subject areas, foreign
Languages or fine arts

Elective courses are not
required for admission to the
University of Iowa

Elective courses are not required
for admission to Iowa State
University

A STATEMENT ABOUT FOREIGN LANGUAGE PREPARATION

There are many excellent reasons for including foreign language study in your course selections -- whether you terminate your formal education upon high school graduation or choose to continue your education beyond high school. If sincerely interested in learning to speak, translate and write a foreign language and to learn a new cultural background, you are encouraged to visit with the foreign language teacher.

Unfortunately, misunderstandings persist concerning foreign language requirements at the college and university level. These requirements vary greatly from college to college and university to university. To learn the college or university graduation requirements, consult the respective college catalog. Simply write to the registrar to request a catalog or check one out from the guidance office.

These summary statements reflect recent survey findings from all Iowa colleges and the three State universities in Iowa -- Iowa State University, University of Iowa, and the University of Northern Iowa.

Since the fall of 1990, two years of a foreign language have been required for entrance in the College of Liberal Arts at the University of Iowa and the College of Sciences and Humanities at Iowa State University. Since the Bachelor of Arts degree is the usual degree program common to Iowa colleges, a foreign language is mandatory, either during high school or during college training. Most Iowa colleges require the equivalent of two years of a foreign language for the Bachelor of Arts degree. Consult a catalog from the college of your choice.

Generally, Iowa colleges and universities will accept four years of a foreign language in high school as satisfying four semesters of foreign language requirements in their institution. Two years of foreign language in high school would satisfy two semesters of college/university foreign language requirements; however, Iowa State requires three years of foreign language in high school to satisfy their two-semester college requirement.

Iowa State University: All Bachelor of Science degrees in the College of Sciences and Humanities require the equivalent of two semesters of foreign language study. Three years of high school foreign language successfully completed with a "C" or better meets this requirement. Degrees in the Colleges of Agriculture, Business Administration, Education, Engineering, Family and Consumer Services and Veterinary Medicine do not require a foreign language.

University of Iowa: The equivalent of four semesters of a foreign language is required for the Bachelor of Arts degree. Four years of high school foreign language successfully completed with a "C" or better meets this requirement. The Bachelor of Science in Liberal Arts, Fine Arts and Music require the equivalent of two semesters of a foreign language. Two years of high school foreign language successfully completed with a "C" or better meets this requirement. There are no foreign language requirements for Bachelor of Science degrees in Engineering, Nursing, Pharmacy and Business Administration.

University of Northern Iowa: There is no foreign language requirement for the Bachelor of Arts degree except for majors in French, German, Spanish and English. The foreign language requirements at UNI are based on the major, not the degree. Beginning with the class of 1989, the University of Northern Iowa has required two semesters of foreign language for graduation. Two years of foreign language in high school successfully completed with a "C" or better or a combination of one year of foreign language in high school and one semester of foreign language in college will meet this requirement.

COURSE INFORMATION

High School students don't have many specific school supply needs - usually the basic pens, pencils, paper, etc.. If projects are required for specific classes and these projects require materials that go beyond the basic needs, the school district will provide for the necessary materials. NOTE: If students wish to do a project(s) that goes beyond school requirements, all costs for the project are to be paid for by the student.

AGRICULTURAL SCIENCE

Classes taught in the Ag Department are intra-curricular with FFA. To be involved in FFA, students must be enrolled in at least one agriculture class per school year. If, due to the nature of the limited number of classes offered that a student is unable to take an Ag class, considerations will be made by the instructor for the student to be in FFA. Students do NOT need to be from an agricultural background or come from a farm in order to enroll in an agriculture class.

ANIMAL SCIENCE
Open to grades 10-12

Elective 1 Trimester - FALL - 1 H.S. Science credit
Letter Grade Applies to Grade Point

COURSE DESCRIPTION: Students will engage in a variety of classroom activities to help them better understand and learn about the animal industry, livestock production, animal anatomy and physiology, animal nutrition, digestion, reproduction, animal agriculture in other countries, animal ethics, and animal disease. Students will learn how animal agriculture applies to their every day life and will investigate animals ranging from house pets such as dogs and cats to large animals ranging from horses, cattle, swine, and wildlife. Activities will range from possible field trips to hands on labs with actual animals. This course will prepare students for careers as a veterinarian, animal production, animal scientist, research, biologist, and many more.

AREAS OF STUDY:

- | | |
|-------------------------------|---------------------------------------|
| 1. Livestock Eval & Selection | 5. Beef |
| 2. Animal Nutrition | 6. Swine |
| 3. Animal Health & Diseases | 7. Sheep, Poultry, Horse, Alternative |
| 4. Animal Repro / Genetics | 8. Meat Science |

INTRODUCTION TO AGRICULTURE
Open to grades 9-12

Elective 1 Trimester-FALL-1 credit
Letter Grade Applies to Grade Point

COURSE DESCRIPTION: An introduction to the agriculture industry. Students will be introduced to and made aware of the livestock industry, the crop industry, FFA, leadership, agricultural business, natural resources, careers in agriculture, and how agriculture applies to their life among other topics. Students will participate in potential field trips, FFA contests, hands-on labs, and other activities.

AREAS OF STUDY:

- | | |
|------------------------------|----------------------------------|
| 1. History of Ag / FFA | 5. Parliamentary Procedure |
| 2. Ag in the U.S. & Globally | 6. Intro to Plant / Crop Science |
| 3. Intro to Animal Science | 7. Intro to Welding |
| 4. SAE / Record Keeping | |

GLOBAL AG ISSUES
Open to grades 10-12

Elective 1 Trimester - FALL - 1 credit
Letter Grade Applies to Grade Point

COURSE DESCRIPTION: Students will engage in a variety of classroom activities that will introduce them to controversial issues in agriculture. Topics that will be discussed are agriculture law, The Farm Bill, global poverty, supply and demand, "factory farming", urban sprawl, food safety, and various other issues. This class will include a lot of discussion of issues, research about unfamiliar topics, and debates about what is "right" and "wrong." This class will give you a better understanding of the agriculture industry as well as shed light on how important agriculture is to our society.

AREAS OF STUDY:

- | | |
|--------------------|----------------------------|
| 1. Agriculture Law | 4. Politics in Agriculture |
| 2. Factory Farming | 5. Urban Sprawl |
| 3. Global Poverty | 6. Food Safety |
| | 7. Natural Resources |

AGRONOMY / CROP SCIENCE

Prerequisite: Intro to Agriculture Science
Open to grades 10-12

Elective
Letter Grade

1 Trimester - FALL -1 credit
Applies to Grade Point

COURSE DESCRIPTION: This class will introduce students to topics in the agronomy sector of agriculture. Students will learn about anatomy and physiology of crops, growth and production of grains and forages, soils, crops grown around the world, crop nutrition, crop reproduction, crop diseases, weeds, chemicals used in crop production, farm machinery, and many other topics. Students will be engaged in activities outside of the classroom as well as in the classroom. Potential field trips will allow students to see the real-life applicability of this course and how it affects their lives. This course prepares students for potential careers as an agronomist, crop scout, seed salesman, farmer, and others.

AREAS OF STUDY:

- | | |
|----------------------------------|-----------------------------------|
| 1. U.S. & Global Crop Production | 5. Pest Management / Weed Control |
| 2. Crop Anatomy & Physiology | 6. Fertilizer / Chemical Use |
| 3. Weather & Climate | 7. Harvesting / Marketing |
| 4. Tillage / Planting | 8. Corn & Soybean Production |

WORKPLACE EXPERIENCE / AG MECHANICS
Open to grades 10-12

Elective
Letter Grade

1 Trimester -1 credit
Applies to Grade Point

COURSE DESCRIPTION: This course will be a hands-on class taught primarily in the shop and will explore areas such as landscaping, welding, masonry, wiring, plumbing, small engines, and other areas of ag mechanics. Time will be spent on safety before beginning work in the shop. Projects will include a welding project, learning how to make concrete, basic wiring of buildings, soldering, and other projects. Grade is primarily based on shop work and safety quizzes.

AREAS OF STUDY:

- | | |
|-------------------------------|--------------------------|
| 1. Engines | 5. Concrete / Masonry |
| 2. Metals & Welding | 6. Equipment Maintenance |
| 3. Basic Electricity & Wiring | 7. Project Planning |
| 4. Basic Plumbing | |

PLANT SCIENCE

Prerequisite: Intro to Agriculture
Open to grades 10-12

Elective
Letter Grade

1 Trimester - 1 H.S. Science credit
Applies to Grade Point

COURSE DESCRIPTION: This class will introduce students to and help them better understand horticultural science. Topics will include plant anatomy and physiology, plant nutrition, fruit and vegetable production, flower production, plant propagation, hydroponics, and many other topics. Labs will expose students to a variety of plants and get students engaged in plant production. The greenhouse will be used as a tool for students in this class to grow flowers and vegetables that will be a way for students to apply what they have learned in class. This class will work with the Ag Business class to grow, market, and sell the flowers and vegetables to the community as a project for both classes. This class prepares students for careers as a horticulture scientist, greenhouse operator, gold course superintendent, working for lawn care companies, and many other careers.

AREAS OF STUDY:

- | | |
|-------------------------------------|---------------------------------|
| 1. Plant Anatomy & Physiology | 5. Pruning & Grafting |
| 2. Plant Environmental Requirements | 6. Landscaping |
| 3. Plant Propagation | 7. Fruit & Vegetable Production |
| 4. Plant Nutrition | |

AGRICULTURE BUSINESS
Open to grades 10-12

Elective **1 Trimester -1 credit**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: This class will introduce students to various components of agriculture business. Topics will include ag finance, marketing, economics, management, ag law, budgets, ag sales, and other topics. Students will work with the horticulture class in the production, marketing, and sales of plants in the greenhouse as part of a project to apply what has been learned in the classroom. This class prepares students for a career in business, finance, banking, law, marketing, advertising, farm management, and many others.

AREAS OF STUDY:

- | | |
|----------------------------|-----------------------------------|
| 1. Entrepreneurship | 5. Ag Law |
| 2. Financial Analysis | 6. Human Resource |
| 3. Marketing / Advertising | 7. Cooperatives / Trade / Markets |
| 4. Taxes | |

ART

ART I
Open to grades 9 (first priority),
then Sophomores, Juniors and Seniors if class size is not filled

Elective **2 Trimesters - 2 Credits**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: Art I is designed to further enhance the artistic talents of the creative student who has been introduced to the arts since their kindergarten year. Students interested in enriching their creative talents should take this course. Numerous styles of art along with various medias will be used throughout the school year. Art I is a class open to creatively oriented students who like to express themselves through graphic art, three-dimensional art and multimedia art. Computer technology will be an integral part of this beginning program. The use of digital cameras, scanning, Adobe Photoshop, etc. will be factored into many of the proposed projects. This is not a course for unmotivated students as the class moves along and you are expected to bring required supplies (if needed) to class, work on projects daily and hand projects in on time. **Class policy states that no late projects are accepted.** Grades are based on creativity, use of class time, attitude, clean up, respect for teacher, classmates, art supplies and tools. Grades are also determined by the processing of the project, the project itself and the final presentation.

ART II
Prerequisite: Successful completion of Art I
Open to grades 10 - 12

Elective **2 Trimesters - 2 Credits**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: After taking Art I and understanding the expectations and criteria of that course, students who demonstrated an interest in art, either as an enjoyable class to develop lifelong skills related to the arts or to gain knowledge and an understanding to pursue a college career in the arts, should, as a progressive development, take Art II. This course is a continuation of Art I. Knowledge gained in Art I will carry over to even more detailed and intense projects for Art II. Computer technology knowledge gained from the Art One program will again be utilized into a majority of the Art II projects. More programs and software will be introduced and incorporated into Art II. Grading and classroom rules are the same as Art I, but stricter guidelines will determine grade outcomes. **Again, no late projects are accepted.** Computer technology will be introduced and developed into art projects.

ART III
Prerequisite: Successful completion of
Art I & II
Open to grades 11-12

Elective **2 Trimesters - 2 Credits**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: Students who have shown exceptional skill and artistic development will be allowed to register for Art III. Advanced art is structured in such a way that the simple joy and pleasure of artistic endeavors is not overlooked. Projects will be more individualized, but will remain under the teacher's guidelines and instruction. A knowledge of computer technology is essential for the Advanced Art programs. Students will use the knowledge they have gained from the previous two programs. This knowledge will enhance their potential to expand and express themselves through the use of technology and apply that knowledge to the process and project outcomes. The major factors that will influence the final grade for each individual will be performance in class, ability to problem-solve within each assigned project and attitude toward professional quality in each and every project. No late projects are accepted.

INDEPENDENT/ADVANCED ART
Prerequisite: Successful completion
of Art I, II & III
Open to grade 12 only

Elective 2 Trimesters - 2 Credits
Letter Grade Applies to Grade Point

COURSE DESCRIPTION: This class is an extension of Art III. Projects are more individualized and detailed; therefore, more time may be allowed for each. A knowledge of computer technology is essential for the Advanced Art programs. Students will use the knowledge they have gained from the previous two (three) programs. This knowledge will enhance their potential to expand and express themselves through the use of technology and apply that knowledge to the process and project outcomes. Grades are based on creative problem-solving skills exhibited on each project and the student's attitude toward professional quality and presentation. No late projects are accepted.

GRAPHIC DESIGN
Prerequisite: Instructor Approval
Open to grades 11 & 12 (10th with Instructor Approval)

Elective 1 Trimester - 1 credit
Letter Grade Applies to Grade Point

COURSE DESCRIPTION: This course emphasizes design elements and principles in the purposeful arrangement of images and text to communicate a message. Focus will be on creating products such as advertisements, product designs, posters, identity symbols, C.D. covers, t-shirt design, etc.. This Graphic Design course will use *Photoshop* as the primary source for designing. Instruction will be used to gain a knowledge and understanding of *Photoshop*, the toolbar and its purpose and functions. Various assignments will be introduced during this time, and students will be able to apply their knowledge to successfully produce original Graphic Design projects.

BUSINESS EDUCATION

INTRODUCTION TO BUSINESS Open to 9, 10, 11, 12

Elective **1 Trimester - 1 Credit**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: This course gives students a chance to interpret the activities of the free enterprise system and how business affects their lives. Students gain knowledge of the National and International business system as a part of the total economic environment, become skillful in selecting and using goods and services available from business, industry and government, and develop competencies in managing personal and business affairs. Business career opportunities are introduced.

AREAS OF STUDY:

- | | | |
|------------------------|------------------------------|-----------------|
| 1. Economic principles | 4. Marketing and advertising | 7. Using credit |
| 2. Banking | 5. Labor principles | |
| 3. Insurance | 6. Foreign trade | |

CAREER SKILLS Open to grades 11, 12

Required **1 Trimester - 1 Credit**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: This course is designed to help students develop a plan to be implemented for post secondary education or employment opportunities using CHOICES (by Career ware), the computerized, career information system used in Iowa. This course will also give students a background of the changing workplace in the year 2000 and beyond. Principles presented will give the students an edge when it comes to applying for colleges and job opportunities when they arise.

AREAS OF STUDY:

- | | | |
|----------------------------------|-------------------------------------|----------------------|
| 1. Interest checklist (CHOICES) | 5. Effective resumes | 9. Job Shadow |
| 2. Orientation and self-analysis | 6. Problem-solving in the workplace | 10. Personal Finance |
| 3. Career exploration | 7. Teamwork in the workplace | |
| 4. Goal-setting and planning | 8. Self-management | |

BUSINESS LAW Open to grades 10, 11 & 12

Elective **1 Trimester - 1 Credit**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: This course is designed to help students understand the legal obligations and rights in business and to avoid legal difficulties. Students will learn the difference between the rights and responsibilities for individuals and for businesses. The course will also cover the ethics of law by reviewing special cases on real-world topics such as discrimination and sexual harassment in the workplace.

AREAS OF STUDY:

- | | | |
|----------------------------|-----------------------|--------------------------------------|
| 1. Enforcing the law | 4. Property laws | 6. Insurance |
| 2. Laws for special groups | | 7. Working for others |
| 3. Contracts | 5. Debts / bankruptcy | 8. Checks and other commercial paper |

BOOK KEEPING / RECORD KEEPING Open to grades 9, 10, 11, 12; recommended for those not sure about enrolling in Accounting I and to those interested in general office careers.

Elective **1 Trimester - 1 Credit**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: This course is designed to present students with a background in career opportunities, handling business funds, recording sales and accounts receivable, recording purchases and accounts payable and using the general ledger in a service business. This course will also provide students with general bookkeeping and record keeping skills for a service or merchandise business used in businesses today.

AREAS OF STUDY:

- | | |
|------------------------------|--------------------------------|
| 1. Careers in bookkeeping | 4. General accounting concept |
| 2. Bookkeeping fundamentals | 5. Basic accounting procedures |
| 3. Record keeping principles | |

ACCOUNTING I
Open to grades 10, 11, 12

Elective 2 Trimesters - 2 Credits
Letter Grade Applies to Grade Point

COURSE DESCRIPTION: In Accounting, a student receives instruction on how to systematically and accurately keep track of the money that a business earns and spends. The principles presented may also be applied to forming a personal accounting system. Any student who plans to enter any phase of business should have some knowledge of accounting. Students thinking about taking accounting in college will find a background of high school accounting to be extremely helpful. Instruction and evaluation is in the form of discussion, workbook activities, quizzes, tests and business simulations. Each student is required to bring a mechanical pencil, eraser and calculator.

AREAS OF STUDY:

- | | |
|---|---|
| 1. Accounting careers | 5. Use of special journals |
| 2. Accounting principles for service-type business | 6. Accounting for sales tax, bad debts and depreciation |
| 3. Accounting principles for merchandising business | |
| 4. Payroll accounting | |

ADVANCED ACCOUNTING
Prerequisite: Successful completion of Accounting I

Elective 2 Trimesters - 2 Credits
Letter Grade Applies to Grade Point

COURSE DESCRIPTION: This is a continuation of accounting. The advanced accounting course is designed primarily for the student who has determined that his/her career objective is in the accounting profession. Greater emphasis is focused on forms of business ownership. Each area of study is developed around a specific type of business organization -- sole proprietorship, partnership and corporation. Emphasis is also placed on a departmentalized merchandising business and a manufacturing business. The end-of-fiscal-period work is presented for each type of business organization. The accounting cycle is then completed for each type of business.

AREAS OF STUDY:

- | | |
|--|--|
| 1. Accounting as a career | 5. Accounting clerks and junior accountants; automated departmentalized accounting |
| 2. Bookkeepers - accounting cycle | 6. Junior accountants - general accounting adjustments |
| 3. Partnership accounting | 7. Corporation accounting |
| 4. Accounting clerks and junior accountants; departmentalized accounting | 8. Cost accounting |
| | 9. Management accountin |

Computer Science

Prerequisite: None
Open to grades 9, 10, 11, 12

Elective 1 Trimester-1 Credit
Letter Grade Applies to Grade Point

COURSE DESCRIPTION: This course is designed to be far more than a traditional introduction to programming-its a rigorous, engaging, and approachable course that explores many of the big, foundational ideas of computing so that all students understand how these concepts are transforming the world we live in,

AREAS OF STUDY:

- | | |
|-----------------------------|--------------------------|
| Unit 1-Internet | Unit 4- Big Data Privacy |
| Unit 2- Digital INFO | Unit 5- APP Building |
| Unit 3- Intro to Programing | |

ENGINEERING

"Project Lead the Way"

INTRODUCTION TO ENGINEERING DESIGN
Prerequisite: Successful completion of Algebra I
Open to grades 9, 10, 11, 12

Elective 2 Trimesters - 1 Credit
 (College Credit Available)
Letter Grade Applies to Grade Point
Class offered at DNH HS.

COURSE DESCRIPTION: This course is a hands-on, project-based class.. This class will teach you how to think like an engineer: defining a problem, going through the design sequence to come up with a solution, and then building models of the solution using Inventor Software.

Intro to Engineering
No Prerequisite
Open to 9,10,11,12

Elective 2 Trimesters- 1 Credit

FAMILY AND CONSUMER SCIENCE

TEEN LIVING
Open to grades 9, 10

Elective 2 Trimesters - 2 Credits
Letter Grade Applies to Grade Point

COURSE DESCRIPTION: Teen Living is a comprehensive course that is recommended before taking more advanced courses. Instruction takes the form of reading, lecture, audio-visual presentations, cooperative learning activities and food labs. This

course helps the student develop personal growth, decision-making skills and provides an outlet for developing abilities for social interaction. Evaluation is in the form of written work, tests, reports, projects, demonstrations and lab work.

AREAS OF STUDY:

- | | |
|---------------------------------------|------------------------------|
| 1. Budgeting | 5. Housing & Interior Design |
| 2. Relationship Skills | |
| 3. Basic Cooking/Working in a Kitchen | |
| 4. Clothing/Care/Laundry | |

FOODS I Open to grades 11, 12 with priority to Seniors (Class size limited to 18)	Elective Letter Grade	1 Trimesters -1 Credits Applies to Grade Point
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COURSE DESCRIPTION: The purpose of this class is to give students a basic foundation in food, to relate how science plays a role in food preparation and to create an awareness of how food relates to wellness. The primary goals are to help students make better daily food choices to meet their needs and to improve their food-preparation skills. Instruction takes the form of readings, lecture, labs, discussion, cooperative learning, demonstrations, student presentations and computer technology. Evaluation is in the form of written work, tests, presentations, demonstrations and lab work.

AREAS OF STUDY:

- | | |
|--|-------------------------|
| 1. Food Bourne Illness | 5. Dairy & Eggs |
| 2. Equipment, Measurements & Reading Recipes | 6. Whole Grain |
| 3. Knife Skills/Cooking Methods | 7. Quick & Yeast Breads |
| 4. Fruits & Veggies | 8. Beef/Meat Cookery |

Child Development (NEED BOOKS) Open to grades 9,10,11,12	Elective Letter Grade	Applies to Grade Point
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COURSE DESCRIPTION: This course is designed for the student to learn about quality care for children and good parenting skills. It starts with decision-making steps toward having a family and insights into careers involving children. The course includes nutrition and prenatal development, how to take care of a baby, child growth and development, why children behave the way they do, how play is children's work, how to discipline children, communication techniques, and planning activities for children of various ages. Part of the course work includes guided observations of children with participation in the early childhood setting.

BAKE SHOP Open to grades 9,10,11,12 Limit to 18	Elective Letter Grade	1 Trimester - 1 Credit Applies to Grade Point
--	--	--

COURSE DESCRIPTION: This course teaches the principles & procedures of food service production, ranging from baked goods, pastry & desserts to main dish items. Emphasis is placed on becoming an efficient, productive worker. Manual & mathematics skills are developed through running the bakery business. Products are marketed to the community.

FOODS II Open to grades 11, 12 with priority to Seniors (Class size limited to 18)	Elective Letter Grade	1 Trimesters - 1 Credits Applies to Grade Point
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COURSE DESCRIPTION: Foods II will increase their knowledge of nutrition principles and how it applies to their future health. The student will become more aware of consumer decision-making. The class will also study the different aspects of baking and the science of food. Careers in the food area will also be discussed. Instruction takes the form of readings, lecture, labs, discussion, cooperative learning, demonstrations, student presentations and computer technology. Evaluation is in the form of written work, tests, presentations, demonstrations and lab work.

AREAS OF STUDY:

- | | |
|-------------------------------|--------------------------------|
| 1. Pastas | 6. Seafood & Poultry |
| 2. Appetizers & Beverages | 7. Foods of Different Cultures |
| 3. Soups, Salads & Sandwiches | |
| 4. Desserts, Cakes & Pies | |
| 5. Casseroles | |

FASHION DESIGN
Open to grades 9, 10, 11, 12
Priority to Seniors -- Class size limited to 10

Elective
Letter Grade 1 Trimester - 1 Credit
Applies to Grade Point

COURSE DESCRIPTION: Fashion Design is a course which will enable the student to demonstrate the ability to create and initiate the application of fashion knowledge of trends and cycles in the area of apparel fashion. The student will develop skills necessary for analyzing and making selections of apparel and accessories appropriate to an assigned topic. The principles and elements of design will be applied in their creations. Projects will be created on the Digital Fashion Pro software. Students will develop the ability to construct projects and fashion displays. Fashion history, consumerism and careers will also be a part of the curriculum. Computer knowledge is necessary for this class.

FASHION CONSTRUCTION
Open to grades 9,10,11,12
Priority to Seniors -- Class size limited to 10

Elective
Letter Grade 1 Trimester - 1 Credit
Applies to Grade Point

COURSE DESCRIPTION: Students will be able to apply the elements and principles of design, textile information and learned sewing skills to create projects of their choice. Students will learn about the parts of a sewing machine, different tools used, reading a pattern envelope and other aspects involved in sewing. Projects are individualized, making it possible for students at all levels of sewing to work at their own pace. Careers in the fashion and retail industry will also be studied. A minimum of three projects will be required.

INTERIOR DESIGN
Open to grades 9 10,11,12
Limit to 12

Elective
Letter Grade 1 Trimester - 1 Credit
Applies to Grade Point

COURSE DESCRIPTION: Students will be able to apply the elements & principles of design to created projects of the their choice. Students will learn about architectural styles and identify structures in the community. Students will have an opportunity to design a project that will fit into the room design of their choice.

FOREIGN LANGUAGE

SPANISH I
Open to grades 9, 10, 11, 12

Elective
Letter Grade 2 Trimesters - 2 Credits
Applies to Grade Point

COURSE DESCRIPTION: Spanish I is an introduction to the Spanish language. Students will recycle previously earned vocabulary and grammatical structures introduced in Middle School exploratory classes and will continue to learn new vocabulary and grammatical structures to be applied to their own speaking and writing. Videos, readings and songs are used to explore the Hispanic culture as well as proving ways of remembering vocabulary and grammatical structures. Evaluation is based on class participation and conduct, completion of speaking and writing assignments, projects, quizzes and tests. Necessary materials are a three-ring binder with paper and pencil. Students are advised to purchase a Spanish-English dictionary.

AREAS OF STUDY:

- | | |
|---------------------------|--|
| 1. Pronunciation | 4. Verb tenses |
| 2. Vocabulary | 5. Conversation, reading, writing, listening |
| 3. Grammatical structures | 6. Hispanic culture |

SPANISH II
Prerequisite: Successful completion of Spanish I

Elective
Letter Grade 2 Trimesters - 2 Credits
Applies to Grade Point

COURSE DESCRIPTION: Spanish II is a continuation of the purpose and goals of Spanish I. Students continue to learn new vocabulary, additional grammatical structures and to apply these to their own speaking and writing. Films, videos, readings and songs are used to explore the Hispanic culture. Spanish II strengthens the student's appreciation and knowledge of another language, people and culture as well as heightens their understanding of their own language. Evaluation is based on class participation and attitude, completion of speaking and writing assignments, projects, quizzes and tests. The only necessary materials are a three-ring binder with paper and a pencil. Students are advised to purchase a Spanish-English dictionary.

AREAS OF STUDY:

- | | |
|------------------|---|
| 1. Pronunciation | 5. Punctuation |
| 2. Vocabulary | 6. Life and culture in Spain and Latin America |
| 3. Verb tenses | 7. Hispano-Americans in the United States |
| 4. Grammar | 8. Conversation, Reading, Writing, Listening in the target language |

SPANISH III

Prerequisite: Successful completion of Spanish II

Elective

Letter Grade

2 Trimesters - 2 Credits

Applies to Grade Point

COURSE DESCRIPTION: Spanish III is a continuation of the purpose and goals of Spanish II. Students will continue to learn new vocabulary and additional grammatical structures and to apply these to their own speaking and writing. Spanish III will place great emphasis on developing more fluent speaking and writing skills. Videos, audio-visuals, readings and songs are used to enhance further appreciation of the Hispanic people and culture. Evaluation is based on class participation and attitude, completion of all assignments, projects, quizzes and tests. The only necessary materials are paper, a three-ring binder and a pencil. Students are advised to purchase a Spanish-English dictionary.

AREAS OF STUDY:

- | | |
|------------------|---|
| 1. Pronunciation | 5. Punctuation |
| 2. Vocabulary | 6. Life and culture in Spain and Latin America |
| 3. Verb tenses | 7. Hispano-Americans in the United States |
| 4. Grammar | 8. Conversation, Reading, Writing, Listening in the target language |

SPANISH IV

Prerequisite: Successful completion of Spanish III

Elective

Letter Grade

2 Trimesters - 2 Credits

Applies to Grade Point

COURSE DESCRIPTION: Spanish IV is a continuation of the purpose and goals of Spanish III. Students will continue to learn new vocabulary and additional grammatical structures and to apply these to their own speaking and writing. Spanish IV will place great emphasis on developing more fluent speaking and writing skills. Videos, readings and songs are used to enhance further appreciation of the Hispanic people and culture. Students will also be introduced to Hispanic literature. Evaluation is based on class participation and attitude, completion of all assignments, graded compositions, quizzes and tests. The only necessary materials are paper, a three-ring binder and a pencil. Students are advised to purchase a Spanish-English dictionary.

AREAS OF STUDY:

- | | |
|------------------|---|
| 1. Pronunciation | 5. Punctuation |
| 2. Vocabulary | 6. Life and culture in Spain and Latin America |
| 3. Verb tenses | 7. Hispano-Americans in the United States |
| 4. Grammar | 8. Conversation, Reading, Writing, Listening in the target language |

INDUSTRIAL TECHNOLOGY

WOODWORKING

Open to grades 9, 10, 11, 12

Elective

Letter Grade

1 Trimester - 1 credit

Applies to Grade Point

COURSE DESCRIPTION: The purpose of this course is to provide insight into common woodworking techniques and machine operation. The majority of the Trimester will involve working in the shop on the construction of a student-chosen project which will be constructed at the student's expense. Payment for the project will be required BEFORE the student takes the project home. Once the project is paid in full and construction is completed, it is the student's property.

BUILDING TRADES
Open to 11, 12

Elective **May take 1, 2 or 3 trimesters**
Letter Grade **2 periods/day, 2 credits/trimester**
 Applies to Grade Point

COURSE DESCRIPTION: This course is designed to provide a hands-on experience in residential construction. The class will consist of several small construction jobs within the community. These may include decks, storage sheds, small home additions, etc. The course will try to provide experiences in all phases of home construction.

POWER & ENERGY
Open to 9, 10, 11, 12

Elective **1 Trimester - 1 credit**
Letter Grade **(may take EITHER Tri. 1 or 2)**
 Applies to Grade Point

COURSE DESCRIPTION: The purpose of this course is to provide students with the opportunity to test the physics involved in car design and speed, rocket projection and problem-solving. Students will be designing and constructing CO2 cars and rockets along with building bridges out of balsa wood.

Small Engines
Open to 11,12

Elective **1 Trimester- 1 Credit**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: The purpose of this course is to provide students with the opportunity to learn some basic automotive principals. Students will work mainly on golf carts. They will learn how to change the oil, clean the air filter, check the spark plugs, and clean the carburetor. We also do basic body work which consists of fiberglass patching, sanding, and painting.

Manufacturing Production
Open to 9,10,11,12

Elective **1 Trimester- 1 Credit**
Letter Grade - Applies to Grade Point

COURSE DESCRIPTION: The purpose of this course is to explore manufacturing and design processes. Students will design cribbage boards on a computer program and then use a CNC machine to engrave their design on a cribbage board. Students will work together to mass produce the cribbage boards and will also have to paint, stain, and varnish their boards.

LANGUAGE ARTS / ENGLISH

ENGLISH I
Open to grade 9

Required **2 Trimesters - 2 Credits**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: English I builds upon students' prior knowledge of grammar, vocabulary, word usage and the mechanics of writing. This course also introduces the various genres of literature, with writing exercises linked to reading selections.

ENGLISH II

Required **1 Trimester - 1 Credit**

Prerequisite: English I
Open to grade 10

Letter Grade Applies to Grade Point

COURSE DESCRIPTION: English II is designed to continue strengthening the student's ability to understand and use language. The focus of this Trimester is on expository writing and using the writing process. Students explore language skills, writing styles and research techniques. Student evaluation is based on class participation, completion of writing assignments, quizzes and tests. No materials other than paper, pen and a three-ring binder or a folder with three-prongs are necessary.

AREAS OF STUDY:

- | | |
|---------------------------------------|--------------------------------|
| I. Expository writing/writing process | 4. Research techniques |
| 2. Language review, vocabulary | 5. Personal reminiscence essay |
| 3. Novel / Short Stories | 6. Creative writing |

SPEECH
Open to grade 10

Required Letter Grade 1 Trimester - 1 Credit
Applies to Grade Point

COURSE DESCRIPTION: Speech is designed to build students' confidence in expressing themselves. They will learn techniques essential to effective verbal and nonverbal communication, improve listening skills and develop processes to organize/create speeches. They will also study various techniques of oral interpretation and usage. Students will also analyze and critique speeches in class.

AREAS OF STUDY:

- | | |
|--------------------------|------------------------|
| 1. Informative speeches | 4. Oral interpretation |
| 2. Entertaining speeches | 5. Book review |
| 3. Persuasive speeches | 6. Impromptu speaking |

AMERICAN LITERATURE I
Prerequisite: English I, II, Speech
Open to grade 11

Required Letter Grade 1 Trimester - 1 Credit
Applies to Grade Point

COURSE DESCRIPTION: This course is designed to enhance language and literature skills learned in English I and II while branching into American Literature. The class elective is to expose students to a wide variety of works by both new and established American authors. Students will enhance skills in reading for meaning, vocabulary development and in writing through various activities concerning the literature read. Evaluation stresses short answer quizzes, tests, daily assignments, papers and projects.

AREAS OF STUDY:

- | | | |
|------------------|------------------------------|---------------|
| 1. Short stories | 3. Novels - classic & modern | 5. Vocabulary |
| 2. Poetry | 4. Drama | |

INTRODUCTION TO LITERATURE
(College Course)

1 Trimester - 1 Credit
Letter Grade Applies to Grade Point

PREREQUISITE: Student must have passed College (College Credit Available)

Prep American Literature with at least a "C", must have passed the reading section of the Compass Test, OR scored 19 or better on the ACT AND must have instructor approval

Open to grades 11, 12 with priority given to grade 11

COURSE DESCRIPTION: This college credit course, offered in conjunction with Hawkeye Community College, is designed to introduce students to these genres of literature: short story, poetry and drama. It will emphasize understanding both the possibilities and the limitations of various types of literature, willingness to share interpretations, relate awareness of literary structure of his/her analysis of selected literary pieces and different methods of critical analyses. Evaluation stresses tests, quizzes, written analyses, critical papers, oral presentation and class participation.

AREAS OF STUDY:

- | | | |
|------------------|------------------|---------------|
| 1. Short stories | 3. Drama | 5. Vocabulary |
| 2. Poetry | 4. Literary term | |

BUSINESS PUBLICATIONS
Open to Grades 11 & 12

Elective
Must take all three trimesters - 3 credits
Letter Grade Applies to Grade Point

COURSE DESCRIPTION: Business Publications will focus on the planning, creation, selling, financing and distribution of the Aplington-Parkersburg High School Yearbook, as well as writing articles for the Parkersburg Eclipse. The finished product of the yearbook will be completely student-generated. In this course students will gain skill in one or more of the following areas: page design, copywriting, editing, and photography while producing a creative, innovative yearbook which records school memories and events. There is an emphasis on journalism skills in this class! Participants gain useful, real world skills in time management, marketing, teamwork, and design principals. Work outside of normal classroom hours will be necessary for this class. You will be required to attend school events (athletic and fine arts) for articles, yearbook pages, and pictures. Students in this class should be enthusiastic about school events and have a desire to help document the memories for the year.

AREAS OF STUDY:

- | | | |
|--------------------|-----------------------------------|------------------------|
| 1. News reporting | 4. Cover design & theme selection | 7. Production of Pages |
| 2. Writing process | 5. Selling ads and yearbooks | 8. Proofing |
| 3. Interviewing | 6. Photography | |

ENGLISH IV A

Prerequisite: English I, II, Speech, American Literature - needs instructor or administrator approval

Required
Letter Grade 2 Trimesters - 2 Credits
Applies to Grade Point

COURSE DESCRIPTION: This course is designed for students who plan to attend a technical school or a vocational program at a community college. Students will work with the written word by reviewing usage and mechanics, improving their vocabulary, reading and analyzing written works along with a wide variety of writing assignments.

AREAS OF STUDY:

- | | | |
|------------------------|-----------------------|-------------------------|
| 1. Usage and mechanics | 3. Library skills | 5. Informative writing |
| 2. Vocabulary | 4. Analytical writing | 6. Contemporary fiction |

English IV B

Prerequisite: 9,10 and 11 English Courses
Open to grade 11 third tri and grade 12

Required
Letter grade 1 Trimester - 1 credit
Applies to Grade Point

COURSE DESCRIPTION: This course is designed to prepare all students for academic success after high school no matter what postgraduate education they pursue. It is highly recommended that it be taken BEFORE any college English classes offered by Hawkeye. The course is a combination of reading discussion and writing.

AREAS OF STUDY:

- | | | |
|----------------------------|-----------------|-----------------------------|
| 1.A Raisin in the Sun | 3.Macbeth | 5. Independent Book Reading |
| 2. The Old Man and the Sea | 4. Frankenstein | |

COMPOSITION I
(College Course)

PREREQUISITE: Appropriate Compass writing placement score or equivalent
Open to grade 12

1 Trimester - 1 Credit
Letter Grade Applies to Grade Point
(College Credit Available)

COURSE DESCRIPTION: This college course, offered in conjunction with Hawkeye Community College, is designed to develop students' writing skills by emphasizing fluency, organization, the use of supporting details and research techniques. Writing is approached as a recursive process that includes prewriting strategies, drafting, revising and editing. The course helps students define a sense of audience and purpose in their writing.

AREAS OF STUDY:

- | | |
|------------------------------------|------------------------------|
| 1. Summary Response Paper | 3. Documented Position Essay |
| 2. Analysis & Synthesis of Sources | 4. Essay Exam Writing |

COMPOSITION II (college course)
Open to Grade 12
Prerequisite - Composition I

Elective **1 Trimester - 1 credit**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: Composition II, offered in conjunction with Hawkeye Community College, aims to review and extend writing principles learned in Composition I to analytical, argumentative, and research-based writing. This course emphasizes critical reading, evaluation, and precise and responsible source citation.

AREAS OF STUDY:

- | | |
|---|--|
| 1. Interpretation of article and critique | 5. Using sources as support and in an appropriate manner |
| 2. Problem / solution paper | 6. Expanded position essay |
| 3. Comparison of sources | 7. Analysis of a trend or proposal writing |
| 4. Reflections | |

ADVANCED COMPOSITION OR COMPOSITION
Open to Grade 11
Prerequisite: Freshman and Sophomore English Classes

Required 1 Trimester - 1 Credit
Letter grade applies to grade point

COURSE DESCRIPTION: This course is a writing course with emphasis on different type of essays. Advanced Composition is recommended for those taking Composition I & II from Hawkeye and Composition is recommended for those going to take postgraduate classes.

AREAS OF STUDY:

- | | | |
|------------------------|---------------------|-----------------------------|
| 1. Personal Writing | 3. Cause & Effect | 5. Research - Argumentative |
| 2. Comparison/Contrast | 4. Summary/Response | 6. Ad Analysis |

CREATIVE WRITING
Open to grades 9, 10, 11, 12

Elective **1 Trimester - 1 Credit**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: This course explores the various areas in which to write creatively. Students who take this class are graded on their willingness to try to write in all of these areas.

AREAS OF STUDY:

- | | | |
|------------------|--------------------|----------------|
| 1. Short Stories | 3. Non-Fiction | 5. Drama |
| 2. Poetry | 4. Science Fiction | 6. Advertising |

MATHEMATICS

The minimum requirement for graduation from high school is three full years (6 credits) of math. Most colleges/schools recommend or require three or four years of high school math courses.

CONSUMER MATH
Open to grades 9, 10, 11, 12

Elective **1 Trimesters - 1 Credit**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: The Consumer Math course reinforces general math skills for students who have previously attained them, may extend the general math skills to cover additional math concepts, and use these skills in a variety of consumer math applications. Applications may include budgeting, taxation, credit, banking services, home purchasing and rental, managing personal income, and investment. Students are evaluated daily by means of homework, projects, quizzes and tests.

GENERAL MATH
Open to grades 9, 10, 11, 12

Elective **2 Trimesters - 2 Credit**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: The General Math course reinforces general math skills for students who have previously attained them, may extend the general math skills to cover additional math concepts to prepare for pre-algebra. Topics will include (but are not limited to) rational numbers, introduction to geometry, calculation of tax/discount/interest, introduction to statistics, estimation, and one- and two step equations. Students are evaluated daily by means of homework, projects, quizzes, and tests.

PRE-ALGEBRA
Prerequisite: Completion of 8th Grade Math
or Career Math
Open to grade 9, 10

Elective **3 Trimesters - 3 Credits**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: This Pre-Algebra course is generally intended to provide an extra year of study for students who have attained general mathematics objectives but are not yet ready to enter Algebra 1. Pre-Algebra covers a variety of topics, such as properties of rational numbers, ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities. Students are evaluated daily by means of homework, quizzes and tests. Scientific calculators are used during some units; therefore, each student should bring their own calculator to class.

PRINCIPLES OF ALGEBRA & GEOMETRY I
Prerequisite: Pre-Algebra
Open to grades 10,11,12

Elective **1 Trimesters - 1 credits**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: Providing additional preparation for Algebra 1 or Geometry, this course combines the study of some pre-algebra and algebra topics with introductory geometry topics. This course includes the study of formulas, algebraic expressions, first degree equations and inequalities, operations involving real numbers, evaluating rational algebraic expressions, graphing first degree equations and inequalities, translating word problems into equations, operations with and factoring of polynomials, and solving simple quadratics. Students are evaluated daily by means of homework and tests. Scientific calculators are used during some units; therefore, each student should bring their own calculator to class. This course can also be taken as an independent study.

PRINCIPLES OF ALGEBRA & GEOMETRY II
Prerequisite: Pre-Algebra
Open to grades 10,11,12

Elective **1 Trimesters - 1 credits**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: Providing additional preparation for Algebra 1 or Geometry, this course combines the study of some pre-algebra and algebra topics with introductory geometry topics. This course includes the study of the rectangular coordinate system, area, perimeter and volume of geometric figures and properties of triangles and circles. Students are evaluated daily by means of homework and tests. Scientific calculators are used during some units; therefore, each student should bring their own calculator to class. This course can also be taken as an independent study.

ALGEBRA I
Open to grades 9, 10, 11, 12

Elective **2 Trimesters - 2 Credits**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: Algebra is the study of the properties and relations of numbers and of symbols representing numbers. The purpose of algebra is to enable individuals to solve problems which would be difficult or impossible without its methods. Algebra makes greater use of symbols to represent ideas and numbers. Students will be evaluated by, but not limited to, assignments, quizzes, tests and projects. Students are required to have a spiral notebook, pen, pencil and calculator.

GEOMETRY
Prerequisite: Successful completion of Algebra I
Open to grades 9, 10, 11, 12

Elective **2 Trimesters - 2 credits**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: This course emphasizes an abstract, formal approach to the study of geometry, including topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; rules of congruence, similarity, parallelism, and perpendicularity; and rules

of angle measurement in triangles, including trigonometry, coordinate geometry, and transformational geometry. Students are evaluated daily by means of homework, quizzes and tests. Scientific calculators are used during some units; therefore, each student should bring their own calculator to class. Students should also have a compass and protractor, which can be purchased at the high school media center.

ALGEBRA II

Prerequisite: Successful completion of Geometry
Open to grades 10, 11, 12

Elective

Letter Grade

2 Trimesters - 2 Credits

Applies to Grade point

COURSE DESCRIPTION: Algebra 2 topics include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents. Students are evaluated daily by means of homework, quizzes and tests. Scientific calculators are used during some units; therefore, each student should bring their own calculator to class.

PRE-CALCULUS

Prerequisite: Algebra II
Open to grades 11, 12

Elective

Letter Grade

2 Trimesters - 2 Credits

Applies to Grade Point

COURSE DESCRIPTION: Pre-Calculus combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics and preparation for calculus. Topics include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; mathematical induction; matrix algebra; sequences and series; and limits and continuity. Students are evaluated daily by means of homework, quizzes and tests. Scientific calculators are used during some units; therefore, each student should bring their own calculator to class.

STATISTICS

Prerequisite: Must meet Hawkeye Community College requirements
Open to grades 11, 12

1 Trimester - 1 credit

Letter Grade

Applies to Grade Point

(College Credits Available)

COURSE 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.

CALCULUS I

Prerequisite: Pre-calculus and must meet Hawkeye Community College requirements
Open to Seniors only

1 Trimester - 1 credit

Letter Grade

Applies to Grade Point

(College Credits Available)

COURSE DESCRIPTION: The first in a calculus sequence, this course covers topics including functions and their graphs, limits, derivatives, and applications of differentiation, and integrals.

MUSIC

BAND

Prerequisite: Instructor approval
Open to grades 9, 10, 11, 12

Elective

Letter Grade

3 Trimesters - 3 Credits

Applies to Grade Point

NOTE: Attendance at all scheduled performances is MANDATORY.

COURSE DESCRIPTION: Band is made up of marching, pep, concert and jazz bands. Marching, Pep and concert bands are mandatory. Activities such as Color Guard, Jazz Band, "Junk Percussion" and Pit Band (for musicals) are optional. Band includes concerts, football half-time shows, basketball half times, solo/ensemble contest and concert band contest. There are also many optional activities beyond those listed here. The band meets daily during the first period of the school day. Jazz band meets as needed before school starting mid-November. Grades are based upon the student's attendance (including lesson attendance), playing exams and performances. One full credit is given each Trimester. Credits count toward meeting the requirements for graduation. Since much of the group rehearsal (class time) is used to prepare for performances, the student's attendance at these activities is required and does affect the report card grade.

AREAS OF STUDY:

1. Performing on instruments, alone and with others, a varied repertoire of music.
2. Improvising melodies, variations and accompaniments.
3. Reading and notating music.
4. Listening to, analyzing and describing music.
5. Evaluating music and music performances.
6. Understanding relationships between music and other disciplines.
7. Understanding music in relation to history and culture

CHOIR

Open to 9, 10, 11, 12

Elective

Letter Grade

3 Trimesters - 3 Credits

Applies to Grade Point

NOTE: Attendance at all scheduled performances is MANDATORY.

COURSE DESCRIPTION: Choir offers interested high school students a more advanced study and appreciation of the vocal art. Mixed Chorus meets on Monday, Wednesday and Friday. A variety of music styles from early music to contemporary are rehearsed, studied and performed. Formats used include mixed choir, bass chorus and treble chorus. Madrigal and jazz choir will be an additional group that will meet on Tuesdays and Thursdays during the Choir period. The performance objective of the course is met through the pursuit of several objectives - namely the development of vocal technique, musicality, music appreciation, music theory skills and leadership skills. Evaluation is made on an individual's attendance, participation, knowledge, progress, attitude and group performance.

AREAS OF STUDY:

1. Vocal technique (proper posture, breathing, support, vowel formation, diction)
2. Music literature (pieces to be rehearsed and/or performed)
3. Musicality ((phrasing, dynamics, blend, balance)
4. Music appreciation (understanding various music styles)
5. Music theory (knowledge of vocabulary, symbols, concepts unique to music)
6. Concept of community (everyone must do their share or the whole group suffers)
7. Leadership (responsibility to lead and set examples for those at different levels and & ages)

PERFORMANCE OPPORTUNITIES:

- | | | | |
|------------------------------|------------------------|-------------------------|------------------------|
| 1. Coronation / Variety Show | 5. Dessert Concert | 9. Large Group Contest | 13. All-State Audition |
| 2. Fall Concert | 6. Solo & Small Group | 10. Variety Sho | |
| 3. Winter Concert | 7. Ensemble Contest | 11. Graduation | |
| 4. NICL Vocal Festival | 8. Pre-contest Concert | 12. Musical (odd years) | |

PHYSICAL EDUCATION AND HEALTH

PHYSICAL EDUCATION

Required

1 Trimester - 1 credit

**Required for grades 9, 10, 11 & 12 for
Graduation**

Letter Grade Applies to Grade Point

COURSE DESCRIPTION: Physical Education is designed for all students providing physical activities, health and nutritional information which is critical in developing and maintaining healthful attitudes and behaviors. The goal of physical education is to develop physically-educated individuals who have the knowledge, skills and confidence to enjoy a lifetime of healthful physical activities. Proper physical education clothes are required. Evaluation is mainly based on participation, cooperation, proper physical education clothes and written assignments.

**PERSONAL HEALTH I
Open to grades 9, 10**

**Required 1 Trimester - 1 Credit
One credit must be taken by the time the student
is a Sophomore
Letter Grade Applies to Grade Point**

COURSE DESCRIPTION: This course will provide current facts and information in a variety of health areas. The course will focus on interpersonal health, promote responsible decision-making and provide students with life management skills. Instruction takes the form of cooperative learning, lecture, readings, student presentations, use of computer technology and guest speakers. Evaluation is in the form of written work, tests, presentations and class participation.

AREAS OF STUDY:

- | | |
|---|---------------------------------|
| 1. Personal and emotional/social health - stress, mental disorders, suicide | 5. Environmental health |
| 2. Family life: relationships, sexuality | 6. Consumer health |
| 3. Prevention and control of diseases - STIs/AIDS | 7. Nutritional health |
| 4. Substance use and non-use - drug decisions | 8. Health resources and careers |

**DANCE AND AEROBIC ACTIVITIES
Open to all grades**

**Optional Physical Education Credit
Trimester for one credit/trimester
Letter Grade Applies to Grade Point**

COURSE DESCRIPTION: This course will be designed to cover modern activities of the 21st century. Students will be involved in various dances and history of dances. Activities will include the use of Wii (Just Dance, etc.), Zumba, the Fitness Center and other none contact sports. This class is designed more for an individual workout. **Not offered at this time.**

**WEIGHTFit, FIT 30
Open to all grades**

**Optional Physical Education Credit
Trimester for one credit/trimester
Letter grade: Applies to Grade Point**

COURSE DESCRIPTION: This course will be designed to develop muscle, and flexibility. Proper techniques will be taught for lifting free weights. On non-lifting days, certain types of plyos, running, and special activities for various sports will be the main emphasis. Examples would be pitching, batting, hitting a golf ball, and many more. Fit 30- 30 minute PE games, dodgeball, pickleball, frisbee golf, etc. You must take 2 trimesters of Fit 30. This also includes a 30 minuted study hall.

RESOURCE PROGRAM - ACADEMIC SKILLS

**ACADEMIC SKILLS
Prerequisite: For resource room students.**

**Elective 0.5 credits / Trimester
Max. 4 credits cand be earned during 9 - 12
Pass / Fail**

COURSE DESCRIPTION: Emphasis is placed on topics that help the learning disabled student to better cope with school and life. Individual and small group instruction encourages interaction between peers and the teacher in a learning atmosphere. Instruction and activities vary with the individual needs of the students. The students learn skills they can use to achieve academic success, to increase basic learning and to develop social interactions. Successful learning is determined on an individual basis considering student's skills and progress. Evaluation is made of achievement in written work, oral work, social interaction and behavior.

AREAS OF STUDY:

1. Dependent upon their needs, individual study skills
2. Skills in reading, writing, spelling, math, organization, social interaction, career exploration

SCIENCE - PHYSICAL AND LIFE

PHYSICAL SCIENCE
Open to grade 9

Required **2 Trimesters - 2 Credits**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: Physical science provides an introduction to the chemical and physical properties of matter, forms of energy and the laws of motion. Students recognize and interpret happenings in their environment according to matter and energy relationships. Instruction is provided by lectures, laboratory experiences, discussions and audio-visual presentations. Evaluation is a result of tests, quizzes, laboratory activities, daily work and class participation. Students need to have a science notebook and a pocket folder for class. Calculators may be used in class.

AREAS OF STUDY:

- | | | |
|---------------------------|-----------------------------|-------------------|
| 1. Measurement and motion | 3. Classification of Matter | 5. Energy Changes |
| 2. Waves | 4. Matter Interactions | |

BIOLOGY
Prerequisite: Physical Science
Open to grade 9 & 10

Required **2 Trimesters - 2 Credits**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: The course introduces students to a broad range of science information. This information concentrates on the area of living organisms ranging from microscopic plants and animals to the human organism. Our goal in biology is to instill within students an appreciation of living organisms and an understanding of their interaction with the environment. Instruction takes the form of lectures, laboratory experiences and class discussions. Students also take part in projects and individual reports. Evaluation of the student is based on total points scored on daily work, quizzes, laboratory reports and tests.

AREAS OF STUDY:

- | | | |
|------------------------|---------------------------------|-------------------------------|
| 1. Comparative Anatomy | 5. Energy Transfer | 7. Microbiology |
| 2. Ecology / wildlife | 6. Human anatomy and physiology | 8. Genetics |
| 3. Chemistry of Life | | 9. DNA structure and function |

4. Cell theory

HUMAN ANATOMY

Prerequisite: Biology (Grade of B or better is strongly required OR confer with instructor)
Open to grades 11, 12

Elective Letter Grade **1 Trimester - 1 Credit Applies to Grade Point**

COURSE DESCRIPTION: This course is designed for those students with special interest in the field of biology. Major areas of study include human anatomy and physiology.

AREAS OF STUDY:

- | | |
|---------------------------------|--|
| 1. Organization of human body | 3. Digestive, respiratory, circulatory systems |
| 2. Coordination of body control | 4. Muscular, skeletal systems |

ADVANCED BIOLOGY

Prerequisite: Successful completion of Biology (grade of B or better is strongly recommended OR confer with instructor)
Open to grades 11, 12

Elective Letter Grade **1 Trimester - 1 Credit Applies to Grade Point**

COURSE DESCRIPTION: This course is designed for students who have an interest in genetics, zoology or who are interested in pursuing a medical career. Dissections and experimentations will be a part of the course.

AREAS OF STUDY:

- | | |
|---------------------------------|--------------------|
| 1. DNA analysis / Biotechnology | 3. Genetics |
| 2. Zoology | 4. Animal Behavior |

ECOLOGY

Prerequisite: Successful completion of Biology (Grade of B or better is strongly recommended OR confer with instructor)
Open to grades 11, 12

Elective Letter Grade **1 Trimester - 1 Credit Applies to Grade Point**

COURSE DESCRIPTION: This course is concerned with past, present and future environmental practices observed in the world. The goal in Ecology is to instill within students an appreciation of their natural surroundings and to understand their interaction with the earth itself.

AREAS OF STUDY:

- | | |
|---------------------|-------------------------|
| 1. Conservation | 3. Alternative Energies |
| 2. Biome/ecosystems | 4. Pollution |

CHEMISTRY

Prerequisite: Suggested for students classified as Juniors or Seniors who are taking or have taken Algebra II.
Open to grades 11, 12

Elective Letter Grade **2 Trimesters - 2 Credits Applies to Grade Point**

COURSE DESCRIPTION: In Chemistry, emphasis is placed on principles and concepts relative to the composition of matter. Laboratory experiences and mathematical relationships are used to understand and predict outcomes of specific situations. Instruction is provided by lectures, laboratory activities, discussions, computer work and audio-visual presentations. Evaluation takes the form of tests, quizzes, laboratory activities, daily work, reports and class participation. Students need to have a calculator with sin-cos function for problem-solving. They can be purchased for \$10-15.

AREAS OF STUDY:

- | | |
|--|------------------------|
| 1. Elements and Periodic Table Relationships | 4. Solutions |
| 2. Chemical formulas and equations | 5. Stoichiometry |
| 3. Types of matter | 6. Molar Relationships |

PHYSICS

Elective 2 Trimesters - 2 Credits
Letter Grade Applies to Grade Point

Prerequisite: Suggested for students classified as Seniors with a background in Algebra, Physical Science and Chemistry. Juniors may be accepted with instructor approval.
Open to grades 11, 12

COURSE DESCRIPTION: Physics enables students to better understand and interpret the laws which govern their physical environment. Most topics include exploratory activities, development of concepts and practical application. Through this process, students should be able to apply physics concepts to natural events. Instruction is provided by lectures, laboratory activities, discussions, computer work and audio-visual presentations. Evaluation is a result of tests, quizzes, laboratory activities, daily work and class participation. Students need to have a calculator with sin-cos function for problem-solving. They can be purchased for \$10-15.

AREAS OF STUDY:

- | | |
|--|------------------------------|
| 1. Kinematics and vectors (motion) | 3. Energy Forms, Conversions |
| 2. Dynamics (force and motion interaction) | 4. Waves - light - sound |

ALTERNATIVE ENERGY
Open to grades 11, 12

Elective 1 Trimester - 1 Credits
Letter Grade Applies to Grade Point

COURSE DESCRIPTION: Students will investigate various forms of energy as they relate to actual and projected use of energy worldwide. Most topics will include exploratory activities, development of concepts and practical applications. Instruction is provided by lectures, laboratory activities, discussions, computer work and audio-visual presentations. Evaluation takes the form of tests, quizzes, laboratory activities, daily work, reports and class participation. (032 02 Unified Science - Energy Theme)

AREAS OF STUDY:

- | | | |
|-------------------|-------------------|--------------------------|
| 1. Thermodynamics | 2. Energy Sources | 3. Energy Transformation |
|-------------------|-------------------|--------------------------|

INTEGRATED SCIENCE (SOS)

Elective 1 Trimester - 1 Credits
Letter Grade Applies to Grade Point

COURSE DESCRIPTION: Students will perform investigations dealing with all branches of science. The class will be project based. Students will also take part in lab activities, discussions, daily work, and reports. Concepts will focus on practical, real-world applications.

AREAS OF STUDY

- | | | |
|-------------------|--------------------------|------------------------|
| 1. Food Science | 2. Biological Science | 3. Physical Sciences |
| 4. Sports Science | 5. Psychological Science | 6. Science in the News |
| 7. Animal Science | 8. Earth Science | |

EARTH SCIENCE
Required Course
(Open to all grades)

Required 1 Trimester - 1 credit
Letter Grade Applies to Grade Point

COURSE DESCRIPTION: The focus of this class concerns the motion laws and their effects involving the earth. Areas to be investigated involve earth motions internally, on the surface, above the surface and within the solar system or universe. Assessment will include activities, projects and discussion. Students will need pocket folders for class.

AREAS OF STUDY:

1. Planetary Systems
2. Tectonics involving earthquakes and volcanoes
3. Weather and other wind events
4. Rotation and revolution as motions with the universe
5. Cycles

EXPLORING PHYSICAL SCIENCE

Prerequisite: Chemistry & student should be 4-year college-bound

Elective Letter Grade

**1 Trimester - 1 credit
Applies to Grade Point
(College Credit Available)**

COURSE DESCRIPTION: This course introduces the student to the concepts and processes of physics, chemistry, astronomy and earth science. Students are presented with a general overview of theories that have an impact on their everyday lives. This class fulfills university general ed science requirements (at UNI, Iowa State and Iowa).

**ANIMAL SCIENCE
Open to grades 10-12**

Elective Letter Grade

**1 Trimester - FALL - 1 h.s. science credit
Applies to Grade Point**

COURSE DESCRIPTION: Students will engage in a variety of classroom activities to help them better understand and learn about the animal industry, livestock production, animal anatomy and physiology, animal nutrition, digestion, reproduction, animal agriculture in other countries, animal ethics, and animal disease. Students will learn how animal agriculture applies to their every day life and will investigate animals ranging from house pets such as dogs and cats to large animals ranging from horses, cattle, swine, and wildlife. Activities will range from possible field trips to hands on labs with actual animals. This course will prepare students for careers as a veterinarian, animal production, animal scientist, research, biologist, and many more.

AREAS OF STUDY:

- | | |
|-------------------------------|---------------------------------------|
| 1. Livestock Eval & Selection | 5. Beef |
| 2. Animal Nutrition | 6. Swine |
| 3. Animal Health & Diseases | 7. Sheep, Poultry, Horse, Alternative |
| 4. Animal Repro / Genetics | 8. Meat Science |

PLANT SCIENCE

Prerequisite: Intro to Agriculture
Open to grades 10-12

Elective Letter Grade

**1 Trimester - 1 h.s. science credit
Applies to Grade Point**

COURSE DESCRIPTION: This class will introduce students to and help them better understand horticultural science. Topics will include plant anatomy and physiology, plant nutrition, fruit and vegetable production, flower production, plant propagation, hydroponics, and many other topics. Labs will expose students to a variety of plants and get students engaged in plant production. The greenhouse will be used as a tool for students in this class to grow flowers and vegetables that will be a way for students to apply what they have learned in class. This class will work with the Ag Business class to grow, market, and sell the flowers and vegetables to the community as a project for both classes. This class prepares students for careers as a horticulture scientist, greenhouse operator, gold course superintendent, working for lawn care companies, and many other careers.

AREAS OF STUDY:

- | | |
|-------------------------------------|---------------------------------|
| 1. Plant Anatomy & Physiology | 5. Pruning & Grafting |
| 2. Plant Environmental Requirements | 6. Landscaping |
| 3. Plant Propagation | 7. Fruit & Vegetable Production |
| 4. Plant Nutrition | |

SOCIAL SCIENCE

WESTERN CIVILIZATION A & B Open to grades 9, 10

Required
Letter Grade

1 Trimester of each - 1 Credit each Trimester
Applies to Grade Point

COURSE DESCRIPTION: It is the goal of this course to provide students with the ability to research, evaluate and interpret information in a historical context. In addition, the course hopes to provide students with an appreciation of the effects of cultures preceding our own on our society.

AREAS OF STUDY (A):

- | | | |
|----------------------------|-------------------------|--------------------------|
| 1. Introduction to history | 3. Civilization Begins | 5. Middle Ages |
| 2. Map Skills | 4. Ancient Civilization | 6. Imperialism Countries |

AREAS OF STUDY (B):

- | | | |
|--------------------------------|--------------------------------------|-----------------------|
| 1. Renaissance & Reformation | 3. Development of European Countries | 5. World War I |
| 2. Enlightenment & Exploration | 4. Imperialism | 6. Russian Revolution |

AMERICAN HISTORY I Open to grade 11

Required
Letter Grade

2 Trimesters - 2 Credits
Applies to Grade Point

COURSE DESCRIPTION: The purpose of this course is to acquaint students with a comprehensive study of the United States. It is designed to help students develop a historical background of the development of the United States as a whole and our relationship to the rest of the world. Instruction will include assigned readings, lectures, audio-visual material and outside resource people. Students will take part in simulation activities, class discussions and writing assignments and will complete numerous enrichment exercises.

AREAS OF STUDY:

- | | | |
|--|----------------------------------|----|
| 1. What is History? Why Study History? | 8. The Roaring Twenties | |
| 2. Defining and Debating America's Founding Ideals | 9. The Great Depression/New Deal | |
| 3. Review the causes and effects of American Revolution, Civil War, and Reconstruction | 10. World War II | |
| 4. Emergence of Industrial America, New Frontiers in the West, and Urban America | 11. Cold War | |
| 5. The Progressive Movement | 12. Civil Rights Movement | |
| America Imperialism | 13. The Vietnam War | |
| 7. World War I | 14. Emergence of Counterculture | 6. |
| | 15. Ford to the Present | |

AMERICAN HISTORY II Prerequisite: American History I Open to grades 11, 12

Elective
Letter Grade

2 Trimesters - 2 Credits
Applies to Grade Point

COURSE DESCRIPTION: A history of the United States from 1945 until the present. This is an independent study course which means that the student would work with the instructor at the instructor's discretion.

AREAS OF STUDY:

- | | | |
|-------------------------|--------------------|-------------------------------------|
| 1. The Cold War | 3. The Vietnam War | 5. Present-day governmental affairs |
| 2. The Civil Rights Era | 4. Watergate | |

GOVERNMENT Open to grade 12 or with Instructor Approval

Required
Letter Grade

1 Trimester - 1 Credit
Applies to Grade Point

COURSE DESCRIPTION: The purpose of this course is to familiarize students with the operation of the Federal, State and Local governments. The course also hopes to encourage informed participation in the political system.

AREAS OF STUDY:

- | | |
|------------------------|-----------------------|
| 1. What is government? | 7. Political behavior |
|------------------------|-----------------------|

- | | |
|--------------------------------------|---------------------------------------|
| 2. Foundation of American Government | 8. Political parties |
| 3. Constitution and the people | 9. Electoral process |
| 4. American Freedoms | 10. Congress and Congressional powers |
| 5. Due process and equal protection | 11. Congressional decision-making |
| 6. Citizenship | 12. Presidency |

ECONOMICS
Open to grade 12 or with Instructor Approval

Required **1 Trimester - 1 Credit**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: This course acquaints students with the private enterprise economic system as found in the U.S. as well as with a comparison of socialism and communism. This course will help students see the relationship between consumers and producers. It will also help students understand how the different types of businesses function and how economic decisions are made on a personal, business and governmental level.

AREAS OF STUDY:

- | | |
|--|---|
| 1. What is economics? | 6. Government spending |
| 2. Economic system and decision-making | 7. Federal Reserve System & Monetary Policy |
| 3. Economic Institutions | 8. Gross National Product |
| 4. Demand | 9. Prices |
| 5. Supply | 10. Employment, unions, wages |

SOCIOLOGY
Open to grades 11 - 12

Elective **1 Trimester - 1 Credit**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: The course is designed to introduce students to human behavior and human relations. The course investigates the effect of culture on human behavior. If time allows, specific social problems may be investigated. The course uses lectures, group discussion and research activities. Students have the opportunity to analyze the influence of their own cultural experience on their lives. This class will read, discuss and be tested on several chapters from the Scholastic Sociology "The Search for Social Patterns" text. There will be a comprehensive Trimester test. They will also participate in a 100-point "Breakfast Club" video project. Their grade will be based on the total points taken from quizzes and test scores and homework in accordance with the school's grading policy.

AREAS OF STUDY:

1. Introduction to the social sciences and sociology - 4 weeks
2. Culture - 7 weeks
3. Groups and status - 7 weeks
4. Social problems - if times allows

PSYCHOLOGY
Open to grades 11, 12

Elective **1 Trimester - 1 Credit**
Letter Grade **Applies to Grade Point**

COURSE DESCRIPTION: The purpose of the course is to gain an understanding of why people behave the way they do. The class investigates the biological, emotional and motivational basis of behavior. Students have an opportunity to gain insight into their personal feelings and behavior. The class includes ten chapters of study taken from the "Psychology-5th Edition" text by Spencer A. Rathus along with chapter tests and a comprehensive Trimester test. Students also are part of a field trip to the State of Iowa Mental Health Institute at Independence.

AREAS OF STUDY:

- | | |
|--|----------------------------------|
| 1. Introduction to psychology - 3 weeks | 4. Personality - 4 weeks |
| 2. Biological basis for psychology - 5 weeks | 5. Abnormal psychology - 3 weeks |
| 3. Learning and memory - 3 weeks | |

CHARACTER LEADERSHIP

Elective **1 Trimester - 1 Credit**

Open to grades 11, 12

Letter Grade Applies to Grade Point

COURSE DESCRIPTION: Character Leadership is designed to strengthen students personal and group leadership skills. This course may cover such topics as public speaking, effective communications, human relations, group dynamics and character leadership traits.

WESTERN OUTREACH COURSE OFFERINGS

INTERNSHIP - Cedar Valley West

This course offers students the opportunity for real-world career exploration. The program is available to qualifying students based upon credits and completion of the application process. Students will use this course to help them narrow their focus for post-secondary plans. The program emphasis is on responsible and productive behavior in the work place including time management, cooperation, leadership, communication, work competency, and employee ethics. Students will spend approximately 2 hours of time daily. The students will be evaluated by their employer and can receive elective credit upon successful completion of the program. This program is managed by Cedar Valley West.

