

CLARKSVILLE HIGH SCHOOL

COURSE PLANNING MANUAL

2014-2015

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Parents

Your children are the most important part of your school. We, at Clarksville 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 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 description before making decisions. The description in this handbook provides a general view of what is involved in each course or activity. If you desire more specific information you will need to make an appointment with the instructor.

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

Robert P. Saathoff
Secondary Principal

Clarksville Community Schools
Non-Discrimination Policy

The Clarksville Community School District is committed to providing an educational program that is multicultural and nonsexist. This commitment is expressed through the District Philosophy, District Goals, and the following Board Policy.

“It is the policy of the Clarksville School District not to illegally discriminate on the basis of gender, race, national origin, creed, age, marital status, or disability, in its educational programs, activities or employment practices.

It is also the policy of this district that the curriculum and school activities reflect the cultural and racial diversity present in the United States and the variety of careers, roles, and lifestyles open to both women and men in our society. One of the major objectives of the curriculum, co-curricular activities and instructional strategies is to eliminate stereotyping and bias on the basis of gender, race, national origin, religion, age, and disability. The entire school program shall foster respect and appreciation for the cultural diversity found in our country and in the world and an awareness of the right and responsibilities of each individual as a member of a pluralistic society.”

For further information regarding the above policy, please contact Clarksville Community Schools at (319) 278-4273 or write or call:

Regional Civil Rights Director
U.S. Department of Education
Office for Civil Rights, Region VII
P.O. Box 901381
10220 N. Executive Hills Blvd., 8th Floor
Kansas City, Missouri 64190-1381
(816) 891-8026

TO ALL ENTERING STUDENTS

College, a job, the army -- Do you know what you're going to be doing after you graduate from high school?

Probably not, but that's okay. Most people your age don't. Even if you think you know now, you may change your mind by the time you're a senior, that's why taking the right classes from ninth grade on is so important.

No matter what you decide to do after high school, you will be better off learning everything you can during those four years.

Here are some other tips to keep in mind. Take at least one science class that includes laboratory activity. Take as much math and writing as possible. A foreign language may be both helpful and enjoyable. Finally, Industrial Technology, Business and Health Careers Education can all help you get ready for college, work or a better life.

Right now the important thing is to keep your options open. It is not unusual for students to decide when they are seniors that they want to go to college after all. By taking the classes needed, you will provide yourself the flexibility to make the best decision for your future. One other area that you should pay critical attention to is your grade average as colleges tend to establish a minimum of "C" as a standard for credit for high school classes.

If you have questions see your school counselor. That person can give you needed information or secure it for you.

START YOUR PLANS AS A FRESHMAN! DO NOT WAIT!

National Testing: SAT, PSAT, & ACT

All students who plan to attend college should make sure they take the proper tests they will need for college entrance.

It is recommended that you plan to take the American College Tests (ACT) as this is the common test used by the Iowa public universities for entrance. Many private schools will also use these scores from PSAT and SAT.

ACT tests may be taken during the junior year (this is the recommended time) or as a senior. The school counseling office will include test dates, times, location of test sites, costs and pre-test study guides for ACT which you may secure for the purpose of familiarizing yourself with type of questions and secure pointers. There may also be special study sessions offered by local colleges or universities that you may attend for a fee to gain further aid if you desire.

It is your responsibility to register any fees and transport yourself to test sites. The school counseling office will post all information regarding the tests and aid you with questions you may have with regard to completion of registration and other materials.

ACT research indicates there is a clear relationship between academic coursework and performance on the ACT Assessment. On the average, students who have taken additional coursework in English, Mathematics, Social Studies, and Natural Sciences earn higher standard scores on corresponding ACT tests.

Financial Aid

Each year the Clarksville Community School, under the direction of the school counseling office, holds a financial aid meeting. At that time we invite senior students and their parents to be present at an informational meeting explaining the aid program and how to complete the necessary forms. We urge all seniors and their parents to attend this evening meeting.

The school counseling office will be glad to lend what assistance they can to those filling out the forms if you plan to attend that school. As a general rule this would be listed under the title of Financial Aid Office in most schools.

Scholarships

Students who have an interest in applying for scholarships should visit with the school counselor regarding this interest. No scholarship can be secured without your effort to complete all the necessary forms and letters that may be requested for consideration. This is true of local as well as state and national scholarships. Submission of complete applications on time will have the most effect on your being considered by groups offering scholarships.

Registration Information

The information contained on the following pages was prepared so you might have the opportunity to consider your school program over the next four years. Discuss your planned choices with parents, school counselor, faculty and administrators. Make all selections with care and with an eye to your future plans after completion of high school. The four years you spend in high school is not a large measure of time in which to prepare for the change to college life or moving into the world of work or business. What you plan and accomplish during this four year period of time will play a large role in your future success. It is your job to practice good planning. Administrators, the school counselor and faculty are here to aid you in this planning if you will ask for such guidance.

The distinction between required and elective courses is (1) elective courses are those which the student may elect to take because of interest in the area or to strengthen their preparation in a specific area; (2) a required course is one which is either required by the State of Iowa or the local Board of Education for qualifying for a diploma. There are no options for required courses.

Students who have plans to attend one of the public universities should read the pages that explain the course requirements of those schools.

Post Secondary Enrollment Options Act

The Post Secondary Enrollment Options Act was enacted in 1987 by the Iowa Legislature. It became law in 1988 as Chapter 261 C of the Iowa Code (1988).

The act is designed to allow full-time high school students the opportunity to attend a two or four year postsecondary institution. Eligible students must be in eleventh or twelfth grade, or a ninth or tenth grade student identified as a gifted and talented student according to local school district's criteria and procedures. A student may enroll part-time in an eligible postsecondary institution for no more than four semester terms or six quarter terms, unless they are identified as a gifted and talented ninth or tenth grade student.

Colleges have the right to require the students to meet appropriate standards that may be set down by the postsecondary institution. Eleventh and twelfth grade students who are accepted into a college course are not guaranteed a place in the class that they enroll in. College students are given priority. However, once the eleventh or twelfth grade student has begun, that student can't be displaced by a college student who desires to be in the class.

A student anticipating enrollment under this act, must inform the school district of their intent to participate, apply at the postsecondary institution utilizing the form that may be obtained from the guidance counselor, and sign a statement indicating that the student and parent or guardian have received information about the act.

The school district then shall certify the eligibility of its students for participation under the act. A student isn't eligible for participation until the district completes the certification of eligibility.

The classes that an 11th or 12th grade student may take are limited to:

1. Nonsectarian courses.
2. Courses that are not comparable to courses offered by the school district.
3. Credit-bearing courses that lead to an educational degree.
4. Courses in the discipline areas of mathematics, science, social sciences, humanities, and also courses in career option programs offered by area schools.

The cost of the classes which cannot exceed two hundred fifty (250.00) dollars must be paid by the school district, provided the student passes the class. The student is responsible for transportation to the college and will incur the cost of the class if the class is not passed.

The student shall be given high school credit, in addition to the college credit that he receives. The school shall adjust the student's high school schedule of classes accordingly, to allow the student time for travel to the college, and shall also limit the

number of classes to be taken proportionately in high school to compensate for the students taking of college classes.

All information and enrollment application forms, as well as any other information about the act, may be obtained from the school counselor.

The Clarksville Community School District does not discriminate on the basis of race, creed, gender, disability, age or any other reason.

Vocational/Technical Education

Vocational/Technical Education consists of one and two-year programs in which the student prepares to enter a specific occupation in such fields as business, health, paraprofessional, marketing, trades and industry, etc. The requirements for entry into these programs are a high school diploma and an interest in and an aptitude for the specific occupation to be entered.

The student planning this type of education beyond high school should select his/her courses to give him/her a good background in the math, science, English, and social studies areas and also build a body of knowledge and skills in one of the career education course areas listed below. All of the technical courses have increasing requirements in the math area. Students should see their school counselor about specific school and program requirements.

Clarksville High School offers a sequence of specific courses to those students interested in pursuing a career in specific vocational/technical fields including **Marketing, General Business, Health Services** or **Manufacturing**. All students have the opportunity to take a series of classes aimed at building a solid foundation in one of those particular career strands. Students interested in a career in any of these fields are encouraged to take the following series of classes prior to graduation:

MARKETING

Computer Applications-10th grade
Intro to Marketing-11th grade
Database/Spreadsheets-11th grade
Business Law-12th grade
Web Design-12th grade

GENERAL BUSINESS

Database & Spreadsheets-11 or 12th grade
Computer Applications-10th grade
Workplace/Careers-11th grade
Banking & Finance-11th grade
Accounting A(1st semester)-12th grade
Accounting B (2nd semester)-12th grade

MANUFACTURING

Product Development-9th or 10th grade
Intro to MIG Welding-11th grade
Manufacturing Metals-11th grade
Woods I-12th grade
Woods II-12th grade

HEALTH SERVICES

Workplace/Careers-10th grade
Computer Applications-10th grade
Intro to Health Professions-11th grade
Nursing Assistant-11th grade
Medical Terminology-12th grade
Nutrition-12th grade

Grade Point Average

Calculating Grade Point Average Formula =

Using the following weights for grades

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

Transfers

Students transferring into Clarksville before the end of the semester will receive grades based on the Clarksville grading system. That is, a student receiving a total of 83% for the semester so far at another school and who transfers into Clarksville before the end of the semester will receive a grade which reflects his/her work at Clarksville, plus the 83% which was transferred. The Clarksville Grade system for transfers is as follows:

90 - 100	= A
80 - 89	= B
70 - 79	= C
60 - 69	= D
Below 60	= F

Clarksville High School Minimum Graduation Requirements

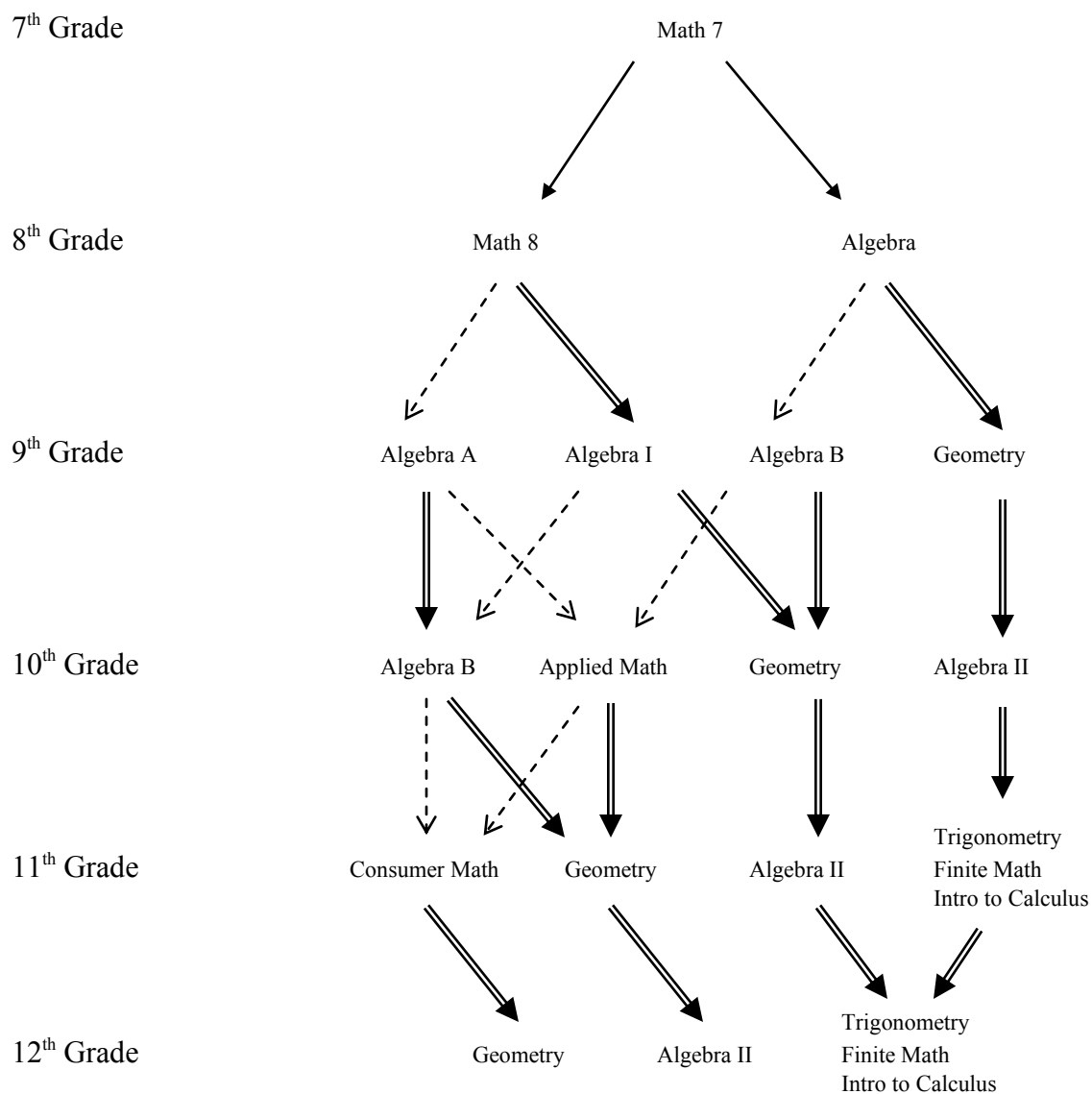
The Clarksville Board of Education has established the following minimum requirements for graduation beginning in 2015:

English	(must include English I and English II)	8 credits (4 years)
Mathematics	(see Math Tracking on next page)	6 credits (3 years)
Science	(must include Physical Science and Biology)	6 credits (3 years)
Social Studies	(must include World History, American History, and Government)	6 credits (3 years)
Physical Education	(one credit per year, unless waived)	4 credits
Health/Leadership & Character Development		2 credits
Computer Applications		1 credit
Financial Literacy	(effective with the class of 2018)	1 credit
Electives		<u>18 credits</u>
Total		52 credits

- * All students are required to carry six courses plus physical education each semester. If band and vocal are taken simultaneously, they may be counted as one of the six courses. If only one is taken, neither it nor PE will count as one of the six courses. Those students with learning disabilities are allowed to count one period of resource time as one of the six courses. Students who are academically able are encouraged to add a seventh course.
- * Physical Education is required of every student in grades 7-12, unless excused by a physician. A waiver for those involved in athletics is permitted. If PE is waived, the student must carry seven courses.
- * All students wishing to change their course of study must have the change approved by the instructors involved, the high school principal, the school counseling office, and their parents.
- * If a required course is failed, it must be repeated as soon as possible to make up the credit.

Math Department Tracking

Path Recommendations



Recommended / Typical Path 

Administrative Optional Placement 

Course Offerings

Courses	Grade	Prerequisite	Note
English I	9		
English II	10		
Practical English	11-12		semester class
American Literature I & II	11-12		
Creative Writing	11-12		semester class
Composition I & II	11-12	English II	
Introduction to Literature	11-12	English II	semester class
Research	11-12	Composition I	semester class
Algebra I	9		
Algebra A	9		
Algebra B	9-10	Algebra A	
Geometry	9-12	Algebra I or Algebra B	
General Applied Math	10-11	Algebra A or Algebra B	administrative placement
Consumer Math	10-11	Alg.I/App Math/Alg.B	administrative placement
Algebra II	10-12	Algebra I or Algebra B	
Finite Math	11-12	Trig/Math Analysis	PolyCom - semester class
Introduction to Calculus	11-12	Trig (1 st semester)	PolyCom - semester class
Trigonometry/Math Analysis	11-12	Geometry & Algebra II	
*Statistics	11-12	HCC admission	ICN – semester class
Physical Science	9		
Biology	10		
Anatomy & Physiology	11-12	Biology, Chemistry	
Chemistry	11-12	Physical Science, Biology, Algebra I or B	
Environmental Studies	11-12	Physical Science, Biology	
Physics	11-12	Physical Science, Biology, Algebra I or B	
Sports History	9-12		
World Geography	9-12		
World History	9		
American History	10		
Contemporary Issues	11-12		semester class
Government	11-12		
* Introduction to Psychology	11-12	HCC admission	spring semester class
Sociology	11-12		semester class
Economics	11-12		spring semester class
Developmental Psychology	11-12		fall semester class
*Introduction to Sociology	11-12	HCC admission	ICN-semester class
*Introduction to Criminal Justice	11-12	HCC admission	ICN-semester class
*Introduction to Corrections	11-12	HCC admission	ICN-semester class
*Western Civ	11-12	HCC admission	ICN-semester class
*U.S. History Since 1877	11-12	HCC admission	ICN-semester class
Art I	9-12		
Graphic Design	9-12		semester class
Video Production & Editing	9-12		semester class
Art II	10-12	Art I	
Art III	11-12	Art II	
Art IV	12	Art III	
*Art Appreciation	11-12	HCC admission	ICN-semester class
Computer Applications	9-12		semester class

Courses	Grade	Prerequisite	Note
Financial Literacy	10-12		semester class
*Accounting	11-12		
Banking and Finance	11-12	Financial Literacy	semester class
Business Law	11-12		semester class
Website Design	11-12	Computer Applications	semester class
Workplace & Careers	9-12		semester class
*Database/Spreadsheets	11-12	Computer Applications	semester class
Introduction to Marketing	11-12	Computer Applications	semester class
*Introduction to Business	11-12	HCC Admission	ICN-semester class
Spanish I	9-12		
Spanish II	10-12	Spanish I	
Spanish III	11-12	Spanish II	
Spanish IV	12	Spanish III	
* Intro to Health Professions	11-12	HCC admission	ICN – semester class
* Medical Term for Health Sci.	11-12	HCC admission	online-semester class
* Nursing Assistant	11-12	HCC admission	ICN – semester class
* Nutrition	11-12	HCC admission	ICN-semester class
First Semester		Second Semester	
Product Development	9-12	Product Development	
*Intro to MIG Welding	11-12	Manufacturing Metals	
Woods I	10-12	Woods II	
* Blue Print Reading I	11-12	*Blue Print Reading II	
Construction Technology	11-12	Independent Study	
Health	9-12		online
Physical Education (may waive)	9-12		every other day
Lifetime Fitness	9-12		
Advance Fitness	10-12	Lifetime Fitness	instructor approval
Band	9-12	repeatable	every other day
Choir	9-12	repeatable	every other day
*Music Appreciation	11-12	HCC admission	ICN-semester class
Driver's Education	9-12		summer – course fee
Office Practice	9-12	instructor request	may be every other day
Publications	9-12	repeat w/approval	may be every other day
Resource	9-12	administrative placement	
Leadership/Character Develop.	9		semester class
Work Experience	11-12	Admin. Approval	semester class
Waverly Center:			
*Composition I & II	11-12	HCC admission	semester
*Fundamentals of Oral Comm.	11-12	HCC admission	semester
Project Lead the Way:			
*Intro to Engineering Design	9-12	coreq-Algebra 1	
*Principles of Engineering	10-12	IED, coreq-Geometry	own transport to WSR
*Computer Integrated Manf	11-12	IED, coreq-POE	own transport to WSR
*Civil Engineering & Architecture	11-12	IED, coreq-POE	own transport to WSR
*Engineering Design & Develop.	11-12	IED, POE, CIM or CEA	own transport to WSR

*dual credit course

University and College Admission Requirements

To Enter	The University of Northern Iowa	The University of Iowa	Iowa State University
ENGLISH	4 years, including 1 year of composition; may also include 1 year of speech, communication, or journalism.	4 years with an emphasis on the analysis & interpretation of literature, composition, & speech.	4 years of Eng/Lang arts emphasizing writing, speaking & reading as well as an understanding and appreciation of literature.
MATH	3 years, including 1 year Algebra or sequential courses of increasing or parallel levels of difficulty.	3 years, including 2 years of algebra & 1 year of geometry for admission to the <u>College of Liberal Arts</u> . 4 years, including 2 years of algebra, 1 year of geometry, & 1 year of higher math (trigonometry, analysis, or calculus) for admission to the <u>College of Engineering</u> .	3 years, including 1 year each of algebra, geometry, & advanced algebra.
SCIENCE	3 years, including courses in general science, biology, chemistry, earth science, or physics; laboratory experience highly recommended.	3 years, including 1 year each from any 2 of the following: biology, chemistry, and physics for admission to the <u>College of Engineering</u> . 3 years, including 1 year of chemistry & 1 year of physics for admission to the <u>College of Engineering</u> .	3 years, including 1 year each of courses from 2 of the following fields: biology, physics & chemistry.
SOCIAL STUDIES	3 years, including courses in anthropology, economics, geography, government, history, psychology, or sociology.	3 years with U.S. & world history recommended for admission to the <u>College of Liberal Arts</u> 2 years with U.S. & world history recommended for admission to the <u>College of Engineering</u> .	2 years for admission to the <u>Colleges of Agriculture, Business, Design, Education, Engineering, and Family and Consumer Sciences</u> . 3 years for admission to the <u>College of Liberal Arts and Sciences</u> .
FOREIGN LANGUAGE	Foreign Language courses are not required for admission to UNI (These courses may be used to meet University graduation.) 2 years in high School with C- or above required to graduate.	2 years of 1 foreign language for admission to the <u>College of Liberal Arts</u> . 2 years of 1 foreign language (Freshman may be admitted to the <u>College of Engineering</u> on a conditional basis with an opportunity to complete 2 semesters at the University For many programs, a 4 th year of proficiency is required for graduation. <u>Nursing</u> -4 yrs in a single language 2 years each in 2 different languages.	Not required for admission to the <u>College of Ag., Design, Education, & Family and Consumer Sciences</u> . 2 years for admission to <u>College of Engineering & Liberal Arts & Sciences</u> .

Board of Regents, State of Iowa
Freshman Admission Requirements to the Regent Universities

Admission of freshman who wish to enroll at any of the Iowa Regent universities will be based on the Regent Admission Index (RAI) equation described below. In addition, applicants must meet the minimum high school course requirements for the university they wish to enter.

$$\begin{aligned} & \quad (2 \times \text{ACT composite score}) \\ + & \quad (1 \times \text{percentile high school rank}) \\ + & \quad (20 \times \text{high school GPA}) \\ + & \quad (5 \times \text{number of high school core courses}) * \\ = & \quad \text{Regent Admission Index Score} \end{aligned}$$

Note: For purposes of calculating the RAI, SAT scores will be converted to ACT composite equivalents, 99% is the top value for high school rank, 4.00 is the top value for GPA, and the number of high school core courses completed is expressed in terms of years or fractions of years (e.g., one semester equals 0.5 years).

Applicants who do not possess all required factors will be evaluated on an individual basis by each Regent university.

Freshman applicants from Iowa high schools who achieve at least a 245 RAI score 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 achieve less than a 245 RAI score may also be admitted to a specific Regent university; however, each Regent university will review these applicants on an individual basis and the admission decision will be specific to each institution. Freshman applications 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.

The Regent universities recognize that the traditional measures of academic performance do not adequately describe some student's potential for success. Therefore, the Regent universities strongly encourage all interested students to apply for admission. Applicants who feel their academic record is not an accurate reflection of their potential for success are encouraged to provide supplemental information explaining their circumstances in addition to the application, academic transcripts, and test scores.

* Clarksville courses which meet this requirement are indicated with an asterisk (*) on the course description beginning on page 19.

Meeting Foreign Language Requirements

There are many misunderstandings, whether foreign language should be studied while in a college or university. There are also misconceptions whether a foreign language is or isn't required for admission or graduation from a college or university. Requirements vary from college to college and university to university. The quickest way to answer this question is for the interested student to check the institutions foreign language requirements in the respective college or university catalog. If there is difficulty in interpreting the requirements, please contact the high school guidance counselor and he/she will explain the requirements.

The following summary statements are a review of state college and university requirements:

1. Iowa State requires two years of one foreign language for admission to their College of Engineering and Liberal Arts and Sciences.
2. The University of Iowa requires two years of a single foreign for admission. For many degrees, the fourth year of proficiency is required for graduation. For nursing, four years of a single language or two years each of two different languages is required.
3. Some Iowa Colleges require the equivalent of two years of a foreign language for a Bachelor of Arts degree. Consult the college catalog of your choice.
4. While the University of Northern Iowa doesn't require a foreign language to be admitted, Two years of a foreign language in high school with a C- or above in the last course will meet the university graduation requirement.

**Students should be aware that taking a foreign language course in high school may, later, be used to fulfill a graduation requirement in a two or four year private or public institution of higher learning.*

Requirements for College Credit Courses

To enroll in courses offered for college credit, students must meet the academic requirements of both the school district and postsecondary institution. At the school district level, students must demonstrate proficiency in each of three academic areas: reading, math and science. This is primarily determined using the students' most recent scores on the Iowa Assessments (formerly called ITBS/ITED). At the college level, students must meet any assessment requirements of the postsecondary institution, which usually includes placement exam requirements with mandatory minimum cut scores for enrollment in certain courses.

To enroll in any PSEO course through Hawkeye Community College (which includes courses taught for college credit at CHS, at the Hawkeye Waverly Center or offered over the ICN), students need to make arrangements to take (and pass with appropriate scores) the ACT or the COMPASS assessment at Hawkeye Community College. This requirement is necessary to ensure the student has the skills to be successful in a college-level course. A student must earn the following minimum scores on the COMPASS assessment: 82 on the reading portion and 65 on the writing portion. If the student is interested in a statistics or math course, the student would also need to receive a 42 on the math portion (Algebra). If their scores are too low, they will need to retake the compass prior to being enrolled in the course. Students also have the option of making their own arrangements to take the ACT. If the student chooses to take the ACT, the student would need to receive a 19 or better on the ACT reading and ACT writing portions and a 19 on the ACT math portion if they are enrolling in a statistics or math PSEO course.

Hawkeye offers COMPASS testing at their Waverly Outreach Center location. Appointments must be made ahead of time by calling 319-296-4288. Students interested in preparing for the COMPASS assessment can go online to www.act.org/compass/sample/index.html for examples of questions similar to those in the COMPASS test. There are also COMPASS practice tests available in the school counseling office.

LANGUAGE ARTS

English I *	Required	Full Year
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Grade Level: 9
Prerequisite: None

English I is designed to improve the students' reading, writing, speaking, and listening skills, as well as to enhance their appreciation of our common literacy heritage. Students examine and discuss a variety of literary works, study and produce writing, and share their ideas informally and formally with each other. Exploring and working with language and literature develop the students' thinking skills, communication skills, and understanding of human nature. Major works include *Call of the Wild*, *Night*, *The Miracle Worker*, and *Romeo and Juliet*. Student evaluation is based on completion of reading and writing assignments, quizzes, tests, group projects, and a literary analysis paper.

English II *	Required	Full Year
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Grade Level: 10
Prerequisite: None

First semester English II focuses on speaking skills. Students study and practice the elements of good communication. They also deliver speeches to demonstrate a variety of purposes, such as entertainment and persuasion. Second semester English II is designed to continue strengthening the students' ability to understand and use language. However, there is more focus on understanding the structure of various literary categories, as well as on reading, analyzing, and discussing literature. The major work included is William Golding's *Lord of the Flies*, as well as various non-fictional texts. Student evaluation is based on completion of reading, writing, and speaking assignments, quizzes, tests, papers and projects. Notebooks, pens, and note cards are necessary, especially for first semester.

Practical English	Elective	Semester
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Grade Level: 11-12
Prerequisite: None

This course would be ideal for students who are planning to enter the work force after graduating-not college bound. This course will cover topics such as writing cover letters and resumes, reading newspapers and magazines for information, filling out job applications, communication on-the-job, reading for enjoyment, reading technical manuals and directions, and common everyday English/Language Arts skills to be a productive worker and citizen.

American Literature I *	Elective	Semester
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Grade Level: 11-12
Prerequisite: None

American Literature *	Elective	Semester
Grade Level: 11-12		
Prerequisite: None		

American Literature is a language arts course which has as its emphasis the study of American authors and their works. The approach of this class is to read mostly fiction literature in the chronological order of American history. Major authors include: Poe, Lee, Crane, Fitzgerald and Bradbury. Various literary techniques are emphasized throughout the course. Student evaluation is based on completion of reading assignments, quizzes, tests, and papers, with the most emphasis on literary analyses. A textbook and various novels are used.

Creative Writing *	Elective	Semester
Grade Level: 11-12		
Prerequisite: None		

Students will explore creative writing through a variety of genres that may include poetry, short stories, dramatic scripts and other types of writing. Students will practice prewriting, drafting, and editing for final drafts. They will be expected to read literary examples as well as classmates' writing. Students will compile a portfolio of writing that will be shared with classmates and the instructor. This portfolio will make up a large percentage of each student's grade. Students must complete all writing assignments given in order to pass this course.

Composition I *	Elective	Semester
Grade Level: 11-12		
Prerequisite: English II		

Composition II *	Elective	Semester
Grade Level: 11-12		
Prerequisite: Composition I		

Students are urged to take a semester of composition during their junior or senior year. Students study parts of speech, grammar, punctuation, as well as paragraph and essay development as an introduction to the course, then spend the first semester focusing on creative writing. Essays of numerous types and topics, reviews, and business writings are assigned during the second semester. A flash drive (USB or mass storage device) is necessary for this course to electronically store drafts, revisions, and final drafts of assignments.

Introduction to Literature *	Elective	Semester
Grade Level: 11-12		
Prerequisite: English II		

Short stories, poetry, and plays comprise the reading material in this class. Emphasis is on literary techniques, such as point of view, imagery, irony, theme and characterization. Evaluation methods include projects and literary analysis papers. Coursework is that of an introductory-level collegiate English course.

Research *	Elective	Semester
Grade Level: 11-12		
Prerequisite: Composition I		

This course is designed to prepare students for the many research requirements that they will experience in college. Research styles, including APA and MLA styles, will be taught, as well as how to determine credible sources, both in print and online. Students will create research papers and will participate in a debate.

MATHEMATICS

Algebra I *	See Math Tracking	Full Year
Grade Level: 9		
Prerequisite: None		

The objective of this class is to present the ideas of elementary algebra with two purposes in mind: one as problem-solving techniques to be used in practical problems and the other as the basics to precede further study in mathematics.

Algebra A	See Math Tracking	Full Year
Grade Level: 9		
Prerequisite: None		

Algebra B *	See Math Tracking	Full Year
Grade Level: 9-10		
Prerequisite: Algebra A		

Algebra A and B are classes that break the Algebra I program into two years. Algebra A focuses on the first half of the topics covered in Algebra I. Topics covered include integers, equations, proportions, ratios, probability, percent, functions, graphs, powers and roots. Algebra B focuses on the second half of the topics covered in Algebra I. Topics covered include polynomials, factoring, quadratic functions, inequalities, system of equations, radical expressions, rational expressions and equations.

Geometry *	See Math Tracking	Full Year
Grade Level: 9-12		
Prerequisite: Algebra I or B		

Geometry presents the idea of a formal proof and a logical thinking process. It also includes drawing, visualizing, organizing, and analyzing information so that students choose and use, correctly, an appropriate formula while problem solving.

Consumer Math	Elective	Full Year
Grade Level: 10-11	Administrative Placement	
Prerequisite: Algebra I or B		

Consumer Math is a class related to preparing students to use math in their everyday life. Topics covered include income, banking accounts, loans, credit cards, insurance, investments, budgeting, purchasing and taxes. This class should give students a feel for how basic math operations are used in their everyday life.

Algebra II *	See Math Tracking	Full Year
Grade Level: 10-12		
Prerequisite: Algebra I or B		

The objectives of this class are to review the topics from first-year algebra and to introduce second-year algebra skills including matrices, logarithms, and radical and rational functions. There is an emphasis on solving equations and their applications in word problems.

Finite Math	Elective	Semester Poly-Com
Grade Level: 11-12		
Prerequisite: Trigonometry/Math Analysis		

This course applies advanced algebra concepts to a variety of business and financial situations. Topics may include linear programming, probability, and an introduction to limits and the intuitive calculus ideas associated with differentiation and integration.

Introduction to Calculus *	Elective	Semester Poly-Com
Grade Level: 11-12		
Prerequisite: Geometry and Algebra II		

This course includes the study of derivatives, anti derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Topics reviewed include properties of elementary functions and their graphs, vectors and polar coordinates, and concepts of limits and continuity.

Trigonometry/Math Analysis *	Elective	Full Year
Grade Level: 11-12		
Prerequisite: Geometry and Algebra II		

The objective of this class is to give mathematics student a solid review of algebra and geometry, develop the theory of the mathematical ideas and their applications, and to present a semester of trigonometry.

Statistics*	Elective	Semester
Grade Level: 11-12	Dual Credit Course	ICN
Prerequisite: HCC Admission		

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

General Applied Math	Elective	Full Year
Grade Level: 10	Administrative Placement	
Prerequisite: Algebra I or B		

General Applied Math is a class that reinforces general math skills, to include some pre-algebra and algebra topics. Topics covered include rational numbers, measurement, basic geometry, formulas, simple equations, basic statistics, ratio and proportion.

SCIENCE

Physical Science *	Required	Full Year
Grade Level: 9		
Prerequisite: None		

This course is an introduction to physical science which integrates: chemistry, physics, organic chemistry, and applied math that emphasizes the important connections between the areas of content.

Biology *	Required	Full Year
Grade Level: 10		
Prerequisite: None		

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.

Anatomy & Physiology *	Elective	Full Year
Grade Level: 11-12		
Prerequisite: Biology, Chemistry		

This rigorous elective science course includes a detailed study of many human body systems. Homeostatic balance, the relationship between structure and function, and the interrelationships between body systems are a focus throughout the course. This course is recommended for students interested in a health-related career, especially those students who plan to study medicine, nursing, physical therapy, and athletic training. The course may also be helpful for those students who plan to enter education as either a life-science or physical education teacher. Laboratory activities will include dissection of a cat and other appropriate organs. One of the goals of this course is to prepare students with the skills necessary to be successful in future science classes in college.

Chemistry *	Elective	Full Year
Grade Level: 11-12		
Prerequisite: Earth Science, Biology, Algebra I or B		

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.

Environmental Studies *	Elective	Full Year
Grade Level: 11-12		
Prerequisite: Earth Science, Biology		

Environmental Science is a course that helps students understand the natural environment and how humans interact with and affect its usage. The five underlying themes for this course are: 1. the scientific approach to learning, 2. all environmental processes are interconnected, 3. humans alter natural systems, 4. social and cultural considerations are important to problem solving, and 5. sustainability is crucial to our long-term quality of life.

Physics *	Elective	Full Year
Grade Level: 11-12		
Prerequisite: Earth Science, Biology, Algebra I or B		

Physics enables the student 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.

SOCIAL STUDIES

Sports History

Elective

Semester

Grade Level: 9-12

Prerequisite: None

This course examines the place of sports in American life. We will track the development over time of athletic activities, specific sports, their rules and the impact each particular sport has had on our society. The history will be stressed but will also focus on sports as a reflection of our social, political, and economic make-up and its ability to affect and shape our institutions. Particular attention will be given to social class, race, and ethnicity, gender, community, technology and commercialization and the media.

World Geography *

Elective

Full Year or
Semester

Grade Level: 9-12

Prerequisite: None

World Geography is a two semester course designed to improve the student's geographic knowledge of the world. The course opens with a unit of map skills which are continued intermittently throughout each unit. Areas of study include Western Europe, the Soviet Union and Eastern Europe, the Middle East and North Africa, Sub-Saharan Africa, the Orient, the Pacific World, Latin America, the U.S. and Canada, and Using the World's Resources. Special emphasis will be focused on the physical geography of countries consisting of major cities, capitals, rivers, mountains, etc.

World History *

Required

Full Year

Grade Level: 9, 11-12

Prerequisite: None

World History gives the student basic features of major societies and cultures in the contemporary world: their geography, major economic and social structures, political systems, and religions, (b) identifies the historical developments underlying present connections and similarities among the world's peoples, and the major differences dividing them, (c) outlines the chronology and significance of major events and movements in world history, (d) grants an understanding of the international context of contemporary diplomacy and economics.

American History *

Required

Full Year

Grade Level: 10

Prerequisite: None

The primary object of American History, 1865 to the Present, is to provide the student with (a) the relationship between events and historical trends in the United States and trends elsewhere in the world, developed through analysis of major similarities and differences, (b) the interaction among peoples of different national origins, races, and cultures and how such interaction has shaped American history, (c) the chronology and impact of political events, development of governmental and other environmental changes, and changes in social and cultural values.

Contemporary Issues *	Elective	Semester
Grade Level: 11-12		
Prerequisite: None		

This is a semester course that focuses on the current issues which affect our world today. The course includes an in-depth study and analysis of contemporary issues in an attempt to prepare students for leadership roles in their communities. Areas of study include Education, Minorities, Alcohol, Drugs, Sex and related areas, Pollution, Population, Poverty, Nuclear War, Television, Violence, Unemployment, Political Affairs, and Current Events.

Government *	Required	Full Year
Grade Level: 11-12		
Prerequisite: None		

The purpose of this course is to familiarize the students with the operation, the structure and the importance of the federal, state, and local Government. Students experience lecture and simulation activities. Grading is based on daily work, tests, quizzes, and class participation.

Introduction to Psychology *	Elective	Semester
Grade Level: 11-12	Dual Credit Course	Spring: Evening
Prerequisite: HCC Admission/Compass Test Scores		

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

Sociology *	Elective	Semester
Grade Level: 11-12		
Prerequisite: None		

The primary objectives of this Sociology course are to provide the student with a scientific, unbiased, objective view of social problems. We hope that they will better understand and recognize various concepts of human life and the diversified activities of humans, and the interactions of these. Also this course should convince the student of the importance of taking a role in society and help him understand group behavior upon society. This course will also introduce the eleventh or twelfth grader to a form of college preparation.

Economics	Elective	Semester
Grade Level: 11-12		
Prerequisite: None		

This course is concerned with how society uses its scarce resources to satisfy its wants and needs. We will look at economic issues such as supply, demand, inflation, economic problems and policy, unemployment, poverty, and how they affect us locally, nationally, and globally. Grading is based on participation, quizzes, tests, and various homework assignments. This course will be offered in the spring only.

Developmental Psychology	Elective	Semester
Grade Level: 11-12		
Prerequisite: None		

What makes us who we are? Developmental psychology seeks to answer this question. This course is designed to help the students gain an understanding of the physical, cognitive, emotional, social, and moral development from infant to late adulthood. An emphasis will be on the basic theories of child and adolescent development. This course will be offered Fall Semester only.

Current Events	Elective	Semester
Grade Level: 11-12		
Prerequisite: None		

What is going on in the world around us right now? Find out in this course. We will explore local, national, and global events that are taking place now. This social science course will promote an understanding of the US in current world affairs and the value of becoming a civically responsible citizen. Additionally, you will be challenged to formulate your own educated opinions on current events and their impact. This course will be offered Spring Semester only.

Introduction to Sociology	Elective	Semester ICN
Grade Level: 12		
Prerequisite: High School Sociology/HCC Admission/Compass Test Scores		

This course surveys the basic principles, concepts, and research findings of social life from small groups to societies. The course examines the range of

sociological explanations of various forms of social behavior and establishes a basis for further study in the field.

Introduction to Criminal Justice	Elective	Semester ICN
Grade Level: 11-12	Dual Credit Course	
Prerequisite: HCC Admission/Compass Test Score		

This course examines the day-to-day operation of criminal justice in our society. Emphasis is on the inter-relationships of the components of law enforcement, the course, corrections, and the juvenile justice system.

Introduction to Corrections	Elective	Semester ICN
Grade Level: 11-12		
Prerequisite: HCC Admission/Compass Test Scores		

This course will provide an introductory examination of corrections in the United States. The central theme of the course will be to critically analyze corrections as an integral part of the overall criminal justice system in America.

Western Civilization 1	Elective	Semester ICN
Grade Level: 11-12		
Prerequisite: ACT/Compass Test Scores		

Western Civilization I traces the development of Western Civilization from prehistory to 1300 C.E., the end of the High Middle Ages. The role of the Humanities is emphasized. The course explores major political, social, economic, scientific, intellectual, cultural, and religious developments contributing to Western societies. These include the significant events and contributions of early Middle Eastern civilizations, classical and Hellenistic Greece, the Roman Empire, its successors, the rise of the Western Christian Church, and Medieval Europe.

U.S. History Since 1877	Elective	Semester ICN
Grade Level: 11-12		
Prerequisite: ACT/Compass Test Scores		

This United States history course examines the period from the end of reconstruction to the present. Emphasis is placed upon industrialization and its impact; the development of a strong federal government; an aggressive foreign policy and a growing involvement in a international economy. The course includes political, economic, and social history of this period, as well as the development of American thought.

ART

Art I	Elective	Full Year
Grade Level: 9-12		

Prerequisite: None

Art II	Elective	Full Year
Grade Level: 10-12 Prerequisite: Art I		

Art I and Art II are designed to enhance the artistic talents of the student who has been introduced to the arts since their kindergarten year. Numerous styles of art along with various media will be used throughout the school year. Students will be expected to express themselves through two and three dimensional art, graphic art, and multi-media art. Computer technology will be an integral part of this program. The use of digital cameras, scanning, software, etc. will be factored into many of the proposed projects.

Art III	Elective	Full Year
Grade Level: 11-12 Prerequisite: Art II		

Art IV	Elective	Full Year
Grade Level: 12 Prerequisite: Art III		

Advanced art classes are 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. Knowledge of computer technology is essential for the advanced art programs. This knowledge will enhance their potential to expand and express themselves through the use of technology and application of art media knowledge to process and project outcomes.

Graphic Design	Elective	Semester
Grade Level: 9-12 Prerequisite: None		

Graphic Design is a course offering the application of art and communication skills to meet the needs of today's society. Using computer software, the course offers a foundation in the conceptual, aesthetic, and technical aspects of graphic design, including the elements and principles of design. Students will study the methods used in advertising and will execute exercises and projects including demonstrations, slide lectures, and critiques.

Video Production & Editing	Elective	Semester
Grade Level: 9-12 Prerequisite: None		

This class is offered to 9th through 12th grade students. As a part of visual art, it introduces the basics of video production utilizing a personal camcorder (not included) and video editing equipment. Students study video technologies, basic equipment operation, video composition, basic lighting and audio production planning, visual storytelling and journalism.

Art Appreciation

Elective

Semester

Grade Level: 11-12

Prerequisite: HCC Admission/Compass Test Scores

This course is an examination of the value, esthetic pleasures, structure, function, and history of art. The course explores sculpture, painting, film, drawing, printmaking, photography, ceramics, and architecture.

BUSINESS

Computer Applications

Required

Semester

Grade Level: 9-12

Limit 15

Prerequisite: Keyboarding

Computer Applications is a course designed to teach students how to use the computer as a business and personal tool through the use of applications software. Application programs from the Microsoft Office Suite will be taught including Word, Excel, Access, and PowerPoint. Grading is based on daily work, test grades, classroom participation and projects.

Introduction to Marketing

Elective

Semester

Grade Level: 11-12

Prerequisite: Keyboarding/Computer App.

This course introduces the basic functions of marketing and how they are vital in today's world. Business marketing is covered in both the domestic and world economies. Competition, customer behavior, and marketing strategies are also covered. Marketing is concerned with the needs and wants of prospective customer through exchange processes.

Accounting

Elective

Full Year

Grade Level: 11-12

Prerequisite: None

In Accounting, students receive instructions 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 the business should have

some knowledge of accounting. Instruction and evaluation is in the form of lectures, workbook activities, quizzes, tests, and business simulations.

Banking and Finance	Elective	Semester
Grade Level: 11-12	Limit 10	
Prerequisite: Financial Literacy		

This course provides students with an overview of the American monetary and banking system, types of financial institutions, and the services and products they offer. Course content may include government regulations; checking, savings, and money market accounts; loans; investments; and negotiable instruments.

Business Law	Elective	Semester
Grade Level: 11-12		
Prerequisite: None		

Business Law prepares the student to enter the business world with an understanding of the legal rights and duties that are expected of each individual. Areas of study include relations between employer and employee, debtor and creditor, consumer and merchant, government and business, and landlord and tenant. The course is practical for all students because they are affected and governed by the laws of both the federal and state governments.

Website Design/ Digital Literacy	Elective	Semester
Grade Level: 11-12	Limit 15	
Prerequisite: Computer Applications		

This course begins with a brief overview of computer organization, the Internet, and the World Wide Web, where it started and where it is today. Early on students learn to use blogger to create a basic blog and explore blog from a business perspective. From there the students will move into learning the dos and don'ts of web page design by evaluating existing web pages. They will use their knowledge of basic design to create a google site (WYSIWYG) to build their own basic site. Once students have a general background in design and what makes a good site they will assist in the maintenance and redesigning of the school website. Students will be graded on daily assignments that challenge them to exhibit their creativity and logic skills by designing a functional Web site, creating simple games, and solving puzzles.

Workplace & Careers	Elective	Semester
Grade Level: 9-12		
Prerequisite: None		

Workplace and Careers is designed to help students develop the skills needed in to today's changing workplace -- problem solving, teamwork, and self-management. Students will also spend part of the semester exploring a variety of career fields. The semester course uses videos, computers, and presenters to help the students learn. The student will be working individually and in group situations.

Financial Literacy	Required	Semester
Grade Level: 10-12		

Financial planning and self-management skills for the future will be the focus of the course. Areas of study will include planning for educational expenses, personal and household budgeting, taxes, banking, investing, insurance, credit procedures, rights and responsibilities of consumers, and long-range financial planning. A foundation of economics will be included to make informed real-world financial decisions and apply decision-making skills to make effective use of income to achieve personal financial success.

Database/Spreadsheets	Elective	Semester
Grade Level: 11-12	Dual Credit Course	
Prerequisite: Computer Applications/Compass Test Scores		

This course emphasizes file management and learning to generate and format spreadsheets and databases. File management tasks include managing folders and moving, copying and deleting files. Spreadsheet tasks include making entries, correcting entries, entering formulas and creating charts. Database tasks include designing and creating tables, generating queries, creating forms and reports, and generating reports database maintenance. Prior experience using a personal computer is recommended.

Introduction to Business	Elective	Semester ICN
Grade Level: 11-12		
Prerequisite: HCC Admission/Compass Test Scores		

An introductory survey course which provides an overview of the major functions in business with relation to current social, economic, and environmental concerns.

FOREIGN LANGUAGE

Spanish I *	Elective	Full Year
Grade Level: 9-12		
Prerequisite: None		

Spanish I is an introduction to the study of a new language. The aim of this

course is to acquire skills in reading, writing, understanding, and speaking Spanish within the limits of beginning vocabulary and grammatical structure. Students participate in speaking and listening exercises, read and write Spanish, memorize vocabulary, verb tenses and grammatical structures. Students are exposed to Spanish-speaking cultures, customs, and traditions through readings and films. Studying a foreign language increases one's own language, appreciation of other cultures, ability to communicate, and thinking skills.

Spanish II *	Elective	Full Year
Grade Level: 10-12		
Prerequisite: Spanish I		

Spanish II is designed to be a continuation of language study from Spanish I. A greater range of vocabulary, grammatical structures, and verb tenses are presented so that the students can read, write, and converse with better proficiency. The students are exposed to more cultural aspects through readings, films, filmstrips, and cultural experiences.

Spanish III *	Elective	Full Year
Grade Level: 11-12		
Prerequisite: Spanish II		

Spanish III is a more intensive study of the language itself - its structure and how it changes. Vocabulary is more diverse and challenging, and all the verb tenses are reviewed. The students are exposed to a more in-depth study of the topics and speaking is emphasized more. Several short works of literature in Spanish are read and discussed.

Spanish IV *	Elective	Full Year
Grade Level: 12		
Prerequisite: Spanish III		

Spanish IV is a more individualized course. Students spend a portion of the year reviewing the verb tenses, grammatical structures, vocabulary and idiomatic phrases. Another portion is concerned with the study of literature. Students read segments of Don Quixote and several other important Spanish literary works. A study of Spanish speaking cultures in the United States is also presented. Students are also given career information - ways to use Spanish after they leave high school. The final part of the course involves the completion of an individual project that emphasizes each student's own needs.

HEALTH CAREERS

Note: It is recommended that any student interested in careers in the health occupations field should select courses that will give them a strong foundation towards preparing for their future career choice. Besides the Health Careers courses, the following high school courses are recommended for health careers: English, Chemistry, Mathematics, and Anatomy.

Introduction to Health Professions	Elective	Semester
Grade Level: 11-12	Dual Credit Course	ICN
Prerequisite: HCC Admission/Compass Test Scores		

This course introduces the student to the health care system and provides an opportunity to explore a wide variety of health careers/professions. Content includes a broad overview of the State and Federal Regulations governing health care. Students will explore ethical and legal responsibilities within the health care system including expectations for professional behavior. Also included are the standards for HIPAA, Infection Control and Hazardous communication. Students will receive child and dependent adult abuse training and certification. Basic infection control protocols and vital sign skills will be conducted.

Medical Terminology	Elective	Semester
Grade Level: 11-12	Dual Credit Course	Online
Prerequisite: HCC Admission/Compass Test Scores		

This course presents the foundation necessary to develop a basic medical terminology vocabulary. Emphasis on the components of terms as related to each body system will be provided. The course further provides the student with the opportunity to properly spell, pronounce and utilize medical terms. The use of a medical dictionary will also be a focus.

Nursing Assistant	Elective	Semester
Grade Level: 11-12	Dual Credit Course	ICN
Prerequisite: HCC Admission/Compass Test Scores		

This course is designed to meet the training requirements of the Omnibus Reconciliation Act of 1987 (OBRA) for aides working in nursing facilities (NF) and skilled nursing facilities (SNF). Emphasis in the course is on student achieving a basic level of knowledge and demonstrating skills to provide safe, effective resident/client care.

Nutrition	Elective	Semester
Grade Level: 11-12	Dual Credit Course	ICN
Prerequisite: HCC Admission/Compass Test Scores		

This course will introduce student to the science of nutrition. The course will examine individual nutrients; their structure and function in the human body; nutrient composition of food; and selection of food to meet nutrient needs, maintain health, and satisfaction. Students will understand and apply present day knowledge of nutrition to dietary patterns and needs of selected individuals and groups. The course is an advanced beginning course in human nutrition designed for students with a science background.

INDUSTRIAL TECHNOLOGY

Product Development

Elective

Semester

Grade Level: 9-12

Prerequisite: None

This class consists of students running a small manufacturing facility. They agree on an idea for a wooden toy they will produce. Then the class develops that idea into an actual toy. They produce the toy, market it, and sell it. This is a student led class.

Intro to CAD (Computer Aided Drafting)

Elective

Semester

Grade Level 9-12

Prerequisite: None

This course is an introduction to computer aided drafting. The student will learn how to create mechanical prints using the computer. Proper layout, terminology, dimensioning and methods used in drafting are also covered.

Intro to MIG Welding

Elective

Semester

Grade Level: 11-12

Limit 12

Prerequisite: HCC Admission/Compass Test Scores

This course is an introduction to the Gas Metal Arc Welding process, also known as MIG Welding and Flux Cored Arc Welding. Topics include safety, theory of operation, advantages of both processes, types of power sources, types of wire electrodes and shielding gases, types of metal transfer, types of joints, minor equipment maintenance and basic welding terminology. Shop practice will include welding the five basic joints, with both welding processes, on mild steel in the flat and horizontal positions.

Manufacturing Metals

Elective

Semester

Grade Level: 11-12

Limit 12

Prerequisite: None

In this class students will learn the fundamentals of running a manual Milling machine, a metal lathe, sand-casting, sheet metal and other equipment related to the metal manufacturing industry.

Woods I

Elective

Semester

Grade Level: 9-12

Prerequisite: None

This class will explore the basics of woodworking, woodworking safety, bill of materials, prints, costing, layout, woodworking equipment, different types of woods, joints and assembly practices and manufacturing processes. The class

will also cover industrial safety, applied math, the use of communication in industry, recognizing basic/hand power tools, and look at different manufacturing prints, basic rigging and employability skills.

Woods II	Elective	Semester
Grade Level: 9-12		
Prerequisite: Woods I		

Blueprint Reading I	Elective	Semester
Grade Level: 11-12		
Dual Credit Course		
Prerequisite: HCC Admission/Compass Test Scores		

This course is an introduction to basic welding blueprint reading. Topics include: the importance of blueprints as a form of communications, basic lines and views, dimensioning methods, tolerances, bill of material, identifying structural shapes and basic sketching principles. The application and interpretation of AWS welding symbols and abbreviations is emphasized. Students will fabricate parts from the blueprint book.

Blueprint Reading II	Elective	Semester
Grade Level: 11-12		
Dual Credit Course		
Prerequisite: Blueprint Reading I/HCC Admission/Compass Test Scores		

This course is a continuation of Blueprint Reading I. The application and interpretation of AWS welding symbols and abbreviations is emphasized in this unit. Students will also fabricate parts from the blueprint book.

Construction Technology	Elective	Semester
Grade Level: 11-12		
Limit 10		
Prerequisite: None		

This class follows the standards and benchmarks established by the Master Builders of Iowa. The class will cover all the basics of the construction industries. Some of the items covered are safety, planning and layout, site layout, concrete, masonry, floor systems, framing, roofs, exterior, stairs, resident electrical, HVAC and plumbing.

Independent Study	Elective	Semester
Grade Level: 11-12		
Prerequisite: Woods or Metals and MIG Welding		

This class requires a meeting between the Industrial Technology teacher, the prospective student and their parent/guardian. The student will work independently on projects they design. The project may either be wood, metal, or both, depending on the student's prior classes.

PHYSICAL EDUCATION AND HEALTH

Health Grade Level: 9-12 Prerequisite: None	Required	Semester
<p>This course is offered online and designed to motivate students to make healthy choices and healthy lifestyle decisions. This course will include adolescent health issues, substance abuse, teenage pregnancy, teenage suicide, eating disorders, stress management, sexually transmitted diseases including AIDS, human sexuality, parenting, child abuse, first aid, and other crucial health issues. Grading will be based on daily work, quiz scores, test grades, and classroom participation.</p>		
Physical Education Grade Level: 9-12 Prerequisite: None	Required Repeatable	Full Year Alt. Days
<p>This course is designed to offer each student the opportunity to develop a physically sound body, as well as healthful attitude toward physical activity and lifetime fitness. Health includes basic first aid and rescue training: CPR training and obstructed airway techniques. It also includes units in nutrition and drug/alcohol abuse.</p>		
Lifetime Fitness Grade Level: 9-12	Elective	Full Year
<p>This class will provide students the basics of weight conditioning and general workout opportunities. Students will be taught and participate in a wide variety of lifts and exercises. The overall goal is for a good understanding of exercise programs and their benefits.</p>		
Advanced Fitness Grade Level: 10-12, instructor approval Prerequisite: Lifetime Fitness	Elective	Full Year
<p>This course is designed for students who have had prior class experience in resistive exercise training. Advanced Fitness is designed to provide the student with an in-depth study of weight lifting techniques, strategies, and theories. This course will focus on free weights and advanced lifting strategies that are currently used in society.</p>		

SPECIALTY

Instrumental Music Grade Level: 9-12 Prerequisite: None	Elective Repeatable	Full Year Alt. Days
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The first nine weeks are spent on marching band which performs at home football games and also participates in parades and other activities. Students are then placed in the concert band. Other groups with a more limited time frame include jazz band, pep band, and solo/ensemble contest. These bands cover a wide variety of music throughout the year. The band presents concerts and attends contests which offer students experience in public performance. Students develop a skill in playing an instrument and an understanding and appreciation of music.

Vocal Music

Grade Level: 9-12
Prerequisite: None

Elective
Repeatable

Full Year
Alt. Days

The first nine weeks are spent rehearsing and improving basic singing skills in preparation for the fall vocal concert or the Fall Musical, depending on the year. The Iowa Star Vocal Festival and Winter Concert are two more performance opportunities included in the first semester. A wide variety of literature is used to expose the vocal music student to various music idioms. The second semester is a continuation of singing, as preparation for small group and large group music contest begins. Students are placed in smaller group or solo situations in preparation for further development of performance skills. A Spring Tour is offered almost every other year, the second semester to gain new experiences. The year culminates in the Fine Arts Festival, and a Graduation special, offering two final large group performance opportunities.

Music Appreciation

Grade Level: 11-12
Prerequisite: HCC Admission/Compass Test Scores

Elective

Semester ICN

An introduction to the musical arts through listening to and studying the music of various periods. Some sections of the course may be presented by live musicians. Allied arts, including dance, painting, and literature, may be used to demonstrate the relatedness of music to the larger scope of human experience.

Driver Education

Grade Level: 9-12
Prerequisite: None

Elective
Course Fee

Summer

This course provides students with the knowledge and experience to become safe drivers on America's roadways. Legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs) are all included as topics of this course. Experience in driving a vehicle is an essential component of this course; students usually receive their learner's permit and/or driver's license during or as a result of this course.

Office Practice	Elective	Full Year
Grade Level: 9-12		Alternate Days Available
Prerequisite: Instructor request		

In Office Practice, a student will develop skill in typing, filing, data entry and general office procedures. This course will benefit any student who has career goals in the secretarial, clerical or library science fields.

Character Development/Leadership	Required	Semester
Grade Level: 9		
Prerequisite: None		

This semester course is intended to promote integral components of character and leadership, develop critical thinking and problem solving skills, build basic skills and reinforce pro-social manners, help students create short and long-term positive goals, help students develop strong values and high standards, and ensure students understand the consequences of their actions. Although each week has a different character trait emphasized, the class format utilizes ethical dilemmas, lectures, character movies, core readings, basic skills and weekly writing assignments to provide a framework for consistent and stable learning.

Publications I	Elective	Full Year
Grade Level: 9-12	Limit 8	
Prerequisite: Instructor Approval		

Publications II	Elective	Full Year
Grade Level: 10-12	Limit 8	
Prerequisite: Instructor Approval		

Publications III	Elective	Full Year
Grade Level: 11-12	Limit 8	
Prerequisite: Instructor Approval		

Publications IV	Elective	Full Year
Grade Level: 12	Limit 8	
Prerequisite: Instructor Approval		

Publications begins with an introduction to journalistic writing, journalistic interviewing, and journalistic photography. Assignments for the rest of the course include beat writing (covering a sport or activity), enterprise writing (coming up with your own article), and photography for the weekly school newspaper. Beat writing is assigned during that sport or activity season. Enterprise stories are due every two weeks. Students are also required to design, photograph for, and edit yearbook pages using an online web design program offered through the Jostens website. It is vitally important that students be able to direct themselves in accomplishing their assigned tasks.

Resource	Mandated	Full Year
Grade Level: 9-12	Repeatable	
Prerequisite: IEP on file with school		

Students receive direct instruction of strategies to overcome reading, writing, math and study deficits that have been identified by the IEP team. Each student sets goals needed for yearly progress and students work to reach those goals. The goal is to build skills to allow a student to successfully complete course work in the general education classroom. Credits are earned towards high school graduation as electives.

Work Experience	Elective	Semester
Grade Level: 11-12		
Prerequisite: Administrator Approval		

The purpose of this course is to give students an opportunity to gain valuable work experience at a job site. Students will be placed in a setting that corresponds to their career goals and interest. Job skills such as: problem solving, responsibility, team work, customer relations, self-discipline, job knowledge, are many skills that can be learned. Students will be required to keep a weekly journal of their duties. An interview will be required for acceptance with the employer. Students cannot be paid and must follow all employer's policies. The student will be supervised by the place of employment. The school's work experience coordinator will have regular contact with the workplace to check on the student's progress.

HAWKEYE'S WAVERLY OUTREACH CENTER

The Waverly Outreach Center is located at 20th Street NW (former Hy-Vee building). Students can take classes for college credit through Hawkeye Community College, which is also where the instructors are from. Students have to provide their own transportation and meet the required ACT/Compass scores for admission. See the Guidance Office if interested. Most of Clarksville's ICN courses can be taken at the Waverly Center as well, if your schedule poses a conflict.

Composition I	Elective	M/W/F 7-7:50 a.m.
Grade Level: 11-12		Fall Semester

Prerequisite: ACT/Compass Test Scores
Composition I emphasizes fluency, thesis-driven 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 shape writing to serve readers' needs and define a sense of purpose in their writing. It also gives students strategies for reading college-level material.

Composition II

Elective

M/W/F 7-7:50 a.m.

Grade Level: 11-12

Spring Semester

Prerequisite: ACT/Compass Test Scores

Composition II 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.

Fundamentals of Oral Comm.

Elective

Mon. Evening 6-8:55 p.m.

Grade Level: 11-12

Fall Semester

Prerequisite: ACT/Compass Test Scores

This course presents elements of the oral communications process with emphasis in developing interpersonal, small group and public speaking skills. Students will be involved in activities that provide opportunity for the understanding and improvements of their oral communication skills.

Project Lead the Way (PLTW)

The PLTW High School Program is a four year sequence of courses which, when combined with traditional mathematics and science courses in high school, introduces students to the scope, rigor and discipline of engineering prior to entering college. However, those not intending to pursue further formal education will benefit greatly from the knowledge and logical thought processes that result from taking some or all of the courses provided in the curriculum. Clarksville partners with Waverly-Shell Rock and Hawkeye Community College to offer all classes as dual credit. So, you will be earning college credit and high school credit at no cost to you! Most PLTW classes require an end of year exam to further articulate the community college credit to university level credit (Iowa or Iowa State). Those students interested in this program are required to contact their guidance counselor to arrange the appropriate sequence that meets their individual needs. These courses require that students transport themselves to the Waverly-Shell Rock campus on a daily basis.

Introduction to Engineering Design

Elective

Full Year

Grade Level: 9-12

Co-requisite: Algebra 1

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

college-credit class that has a high success rate for any student-freshman through senior.

Principles of Engineering	Elective	Full Year
Grade Level: 10-12		
Prerequisite: Introduction to Engineering Design		
Co-requisite: Geometry recommended		

POE is the second course in the PLTW sequence. It is lab-based and covers the vast array of engineering areas. Learn why and how things move with hands-on projects. Learn thermodynamics and statics of bridges with the use of software. Building on IED skills, you will design and build a ping pong ball launcher. Robotics? No problem. Program and build your idea through Fischertechnik kits complete with microcontrollers. This class will take you to the next level of engineering and how things work.

Computer Integrated Manufacturing	Elective	Full year
Grade Level: 11-12		
Prerequisite: Introduction to Engineering Design		
Co-requisite: Principles of Engineering		

CIM is all about how things are made. Design and Manufacturing go hand in hand, and in this class you figure out why—while also learning to use CNC, laser, and rapid prototype machines to build class projects. Robotics is explored in depth, and programming robotic arms is lots of fun. Put all of it together at the end of the year to build the ultimate ice cream sundae.

Civil Engineering and Architecture	Elective	Full Year
Grade Level: 11-12		
Prerequisite: Introduction to Engineering Design		
Co-requisite: Principles of Engineering		

CEA is for the architectural and design buffs. Do you like house designs and wonder why freeways are built the way they are? Do you want to create a set of blueprints for your dream house? Use Autodesk Revit—industry leading software—to design roofs, walls, insulation, and foundations. Take CEA and learn that there is a lot that goes into design of houses, schools, shopping malls, bridges, and freeways.

Engineering Design & Development	Elective	Full Year
Grade Level: 12		
Co-requisite: IED, POE, CIM or CEA		

EDD is the capstone course for the engineering sequence and PLTW. If you spend three years in the industrial and engineering department at the high school, then you better spend one more and take this class! Students will learn

what it takes to develop patents, document ideas, and take their concepts all the way to the U.S. Patent office (if you want to, that is).

***Courses marked with an asterisk indicate approval through Iowa's Regent Admission Index (RAI).**