

FORT DODGE COMMUNITY SCHOOLS

TITAL VI, TITLE IX OR SECTION 504 COMPLIANCE OFFICER

It is the policy of the Fort Dodge Community School District not to discriminate on the basis of race, creed, color, national origin, gender, disability, religion, creed, age or marital status in its programs, services and employment practices. If you have any questions or grievances related to this policy, please contact **Marcy Harms**, Director of Student Services, Arey Education Center, 104 South 17th Street, Fort Dodge, Iowa, 50501, (515) 574-5678 or contact the U.S. Department of Education Office for Civil Rights Midwestern Division, 10220 North Executive Hills Boulevard, 8th floor, Kansas City, MO, 64153-1367. (Alternate for Section 504 is Lis Ristau, Director of Special Needs, 515-574-5675.)

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AFFIRMATIVE ACTION COMPLIANCE COORDINATOR

The District's Compliance Coordinator for Affirmative Action is **Pam Rodewald**. She can be reached at 574-5657 or 104 South 17th Street, Fort Dodge, IA 50501.

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PHYSICAL / SEXUAL ABUSE REPORTING

The District's Designated Investigator of Physical/ Sexual Abuse of Students by School Employees is **Marcy Harms**, Director of Student Services. She can be reached at 574-5678 or 104 South 17th Street, Fort Dodge, IA 50501. The Alternate is **Corey Moody**. He can be reached at 574-5469 or 819 North 25th Street, Fort Dodge, IA 50501.

Legal Reference: 281—102.1(256) of the Iowa Code.

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RACIAL/ SEXUAL HARASSMENT PROCEDURE

The District's Grievance Officer for Racial/ Sexual Harassment allegations is **Marcy Harms**, Director of Student Services. She can be reached at 574-5678 or 104 South 17th Street, Fort Dodge, IA 50501.

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Dear Students

As you begin planning for the next school year, we would like to remind you of the services offered through the Counseling Center.

One aspect of counseling services is to assist you in making the best possible use of opportunities, curricular and extracurricular, available to you at Fort Dodge Senior High. This means planning the best course of study for you while helping you gather information and develop your skills in making career and post high school educational plans.

You will be assigned to a counselor who will work with you throughout high school. You are welcome to come in to see your counselor before or after school, or at a time when you have a pass signed by both your teacher and your counselor.

We encourage you to become acquainted with your counselor and the services available through the Counseling Center. As counselors, we look forward to knowing you and helping you to have a valuable and enjoyable high school experience.

Sincerely,

Counseling Staff

COUNSELORS FOR SCHOOL YEAR

Mr. Michael Oleson
Freshman

Miss Peg Christensen
10th -12th Grade
A - F

Mr. Scott Timmerman
10th -12th Grade
H - O

Mrs. Lynnae Harvey
10th -12th Grade
P - Z

Sophomore, Junior, and Senior students are divided amongst the counselors alphabetically according to their last name.

TO PARENTS AND STUDENTS

This book is prepared to help you plan an educational program to best fit your future needs. No course we offer in any department is for one specific gender (sex) or one specific culture (minority or majority). We strongly encourage students to consider non-traditional courses when planning their schedules.

Since a wide choice of electives is available, it becomes very important to evaluate the courses you are considering not only in relation to your interests and abilities but also in relation to your future vocational plans. Careful and thoughtful registration eliminates many problems for you and the school when the year begins.

If we determine from the registration that some courses are so limited in enrollment that they cannot be economically taught, they will be dropped and you will be asked to choose another course.

We urge you to read all of the material before listing any courses on the registration sheets. These suggestions may help you make more efficient use of these materials.

1. Check the requirements for graduation listed in this section of the booklet.
2. Grade point, credits, prerequisites are among the terms defined in this book. An understanding of these words will be helpful for all students to use in checking their progress in high school.
3. Summary paragraphs of all courses are designed to help you understand what is taught in each class. Previous requirements and grade level requirements are also listed. You are encouraged to examine those of interest.
4. 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 in addition to the required courses.

It is our intent that courses listed in the registration be considered as final as possible. Some schedule changes may be considered at a later date, particularly if it is determined necessary to facilitate the scheduling process.

It is important that you make decisions that will help you to achieve future goals. Careful use of all available information helps to assure wise decisions. If you have further questions or wish more complete information, consult your counselors.

Definition of Terms

SEMESTER – One semester equals approximately 44 class days.

CREDIT - One credit is earned for successfully completing a course that meets the equivalent of one block per day, five times a week, for one semester.

ELECTIVE – a subject or course that may be chosen for study as distinguished from courses which are required for graduation.

PRE-REQUISITE – Specific preliminary requirements must be successfully completed in order to advance to the next course of a sequence within certain disciplines. “Successfully completed” means that a student should have a passing grade of A, B, C or D. The purpose of a prerequisite is to help ensure that students will be successful in subsequent courses. This will facilitate in the preparation of planning for desired goals in education. Exemptions may be made through a conference with the parents, students, teacher, counselor, and administrator.

CO-REQUISITE – A course that may be taken simultaneously with another. For example: In the Vocational Education programs, the class instruction must be taken simultaneously with the on-the-job training.

REQUIRED COURSE – Any course required for graduation.

FDSH

M GRADE-POINT SYSTEM-

A = 4.0000	B- = 2.6667	D+ = 1.3333
A- = 3.6667	C+ = 2.3333	D = 1.0000
B+ = 3.3333	C = 2.0000	D- = 0.6667
B = 3.0000	C- = 1.6667	F = 0.0000

ZERO HOUR – Only Vocational Education classes are offered at this time.

INDEPENDENT STUDY – A means by which a student may pursue, in depth, a course previously taken. For example: if a student has done well in and wishes to continue beyond the objectives of the course he/she may develop a contract with the instructor to work on an extended basis or an additional semester.

WHICH ELECTIVE COURSE SHOULD I TAKE?

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

1. Select several occupation fields in which you are interested.
2. Notice that many courses are important to practically all occupations. If you plan wisely, you can change or modify your occupational objectives without losing the value of the courses you have taken.
3. Select a course 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 course you should take not only in relation to occupational objectives, but also in relation to your interests, abilities, and past performance.
5. Study the course descriptions so you will fully understand what the course is about and what will be expected of you.
6. Be ready to sit down with your counselor and plan your high school program.

A SYNOPSIS OF THE GRADUATION REQUIREMENTS

- I. Credits required: A minimum of 52 credits is required for graduation.
- II. Courses required: In order to meet the 52 credit minimum requirement, the following courses are required for graduation:
 - A. Physical Education - four credits, one each in grades 9 – 12
 - B. Health – one credit
 - C. Science - six credits
 - D. Mathematics - six credits
 - E. English – eight credits (must include English I, II,& III, or Honors English I, II,& III – AP English can be substituted for Hon./ English III)
 - F. Social Studies – six credits: to include at least two semesters of American History (regular, honors, or AP- 3 semesters), one semester of American Government, and one semester of Global Studies (2009-2011)/ World Studies (beginning with the Class of 2012).
- II. General Requirements:
 - A. In order to graduate early students must earn 52 credits. Application for early graduation should be filed one semester before the anticipated graduation.

- B. A limit of eight (8) credits may be transferred from alternative education programs outside of the district, such as the Student Success Center at Iowa Central Community College.
- C. Transfer students in good standing at their previous school must assume the requirements at Fort Dodge Senior High School effective at the time of their transfer.
- D. In order to receive a diploma from Fort Dodge Senior High School, a student must complete a minimum of eight credits of class work at FDSH.
- E. No limit has been placed on the number of credits that a student can earn from a department.
- F. All exceptional or unusual circumstances concerning graduation must be evaluated by the high school principal and the superintendent of school.

POSTSECONDARY ENROLLMENT OPTIONS ACT

The Postsecondary Enrollment Options Act allows 12th grade students to enroll part time at an eligible community college, state university, or private college or university. The purpose of this Act by Iowa Legislature is to promote rigorous educational pursuits and provide a wide variety of options for students.

See your high school counselor as soon as possible if you intend to participate in the Postsecondary Enrollment program. Discuss which postsecondary course (s) you intend to take, what pre-requisites must be completed at Fort Dodge Senior High before enrolling, and how they fit into your high school requirements and future plans. Complete and return all appropriate forms to your counselor. The cost of tuition, textbooks, and materials up to \$250.00 will be funded by the local school district.

The student/parent (s) is responsible for providing transportation to and from the college. If a student drops or fails a class, the student/parent (s) will be liable for payment for all tuition, textbooks, and materials to the school district.

Students will earn both high school credit and college credit for courses taken. The high school will determine the amount of high school credit you will be awarded. If you are planning to attend another college/university after graduation, check with that institution to determine how they will apply the credit taken through the Postsecondary Enrollment Options Act. Have the college issuing credit send a transcript to the college/university of your choice.

VOCATIONAL ARTICULATION – The State School Standards Act requires that secondary instruction be articulated with post-secondary instruction. Articulation allows students to receive advanced placement, according to competencies attained, thus eliminating portions of a course (s)/program (s), which the student must complete at the postsecondary level. It also allows students to receive advanced standing, with satisfactory attainment of documented course competencies, and receive college credit for those competencies, thus eliminating duplicate instruction. Further information about application guidelines and/or procedures may be obtained from the guidance counselors or vocational instructors. Articulated programs are so noted in this catalog.

ADMISSIONS REQUIREMENTS FOR IOWA’S PUBLIC UNIVERSITIES

Iowa State, the University of Iowa, and the University of Northern Iowa require that applicants rank in the upper one-half of their class at the time the student is applying. This generally refers to a student’s rank at the end of the junior year, since students apply to these universities early in their senior year. Obviously it is important that students begin and maintain a good academic record starting in the ninth grade. In addition to the class rank requirement, each school sets forth requirements or recommendations regarding high school courses. Please see your counselor to make sure your course selections will count toward admission requirements.

NCAA DIVISION I

All Student-Athletes must register with the NCAA Initial-Eligibility Clearinghouse

QUALIFIER

Can practice, compete, and receive athletic scholarship as a freshman



NCAA FRESHMAN-ELIGIBILITY STANDARDS QUICK REFERENCE SHEET

KNOW THE RULES:

Core Courses

- Starting August 1, 2008, 16 core courses will be required for NCAA Division I only. This rule applies to any student first entering any Division I college or university on or after August 1, 2008. See the chart below for the breakdown of this 16 core-course requirement.
- 14 core courses are required in NCAA Division II. See the breakdown of core-course requirements below.

Test Scores

- Division I has a sliding scale for test score and grade-point average. The sliding scale for those requirements is shown on page two of this sheet.
- Division II has a minimum SAT score requirement of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the four sections on the ACT: English, math, reading and science.
- All SAT and ACT scores must be reported directly to the NCAA Initial-Eligibility Clearinghouse by the testing agency. Test scores that appear on transcripts will no longer be used. When registering for the SAT or ACT, use the clearinghouse code of 9999 to make sure the score is reported to the clearinghouse.

Grade-Point Average

- Only core courses are used in the calculation of the grade-point average.
- Be sure to look at your high school's list of NCAA-approved core courses on the clearinghouse Web site to make certain that the courses being taken have been approved as core courses. The Web site is www.ncaaclearinghouse.net.

- The Division II grade-point-average requirement is a minimum 2.000.

DIVISION I 16 Core-Course Rule	
16 Core Courses:	
4	years of English.
3	years of mathematics (Algebra I or higher).
2	years of natural/physical science (1 year of lab if offered by high school).
1	year of additional English, mathematics or natural/physical science.
2	years of social science.
4	years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy).

DIVISION II 14 Core-Course Rule	
14 Core Courses:	
3	years of English.
2	years of mathematics (Algebra I or higher).
2	years of natural/physical science (1 year of lab if offered by high school).
2	years of additional English, mathematics or natural/physical science.
2	years of social science.
3	years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy).

PLEASE NOTE: For students first entering any NCAA college or university on or after August 1, 2005, computer science courses may only be used for initial-eligibility purposes if the course receives graduation credit in mathematics or natural/physical science and is listed as such on the high school's list of NCAA-approved core courses.

MINIMUM COURSE REQUIREMENTS FOR ADMISSION TO IOWA REGENTS UNIVERSITIES

The University
Of Northern Iowa

The University
of Iowa

Iowa State
University

TO ENTER

ENGLISH

Four years, including one year of composition; also may include one year of speech, communication, or journalism.

Four years, with an emphasis on the analysis and interpretation of literature, composition, and speech.

Four years of English/language Arts emphasizing writing, speaking, reading, as well as an understanding and appreciation of literature.

MATH

Three years, including equivalent of algebra, geometry, and advanced algebra.

Three years, including two years of algebra and one year of geometry, for admission to the College of Liberal Arts and Sciences. Four 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.

Three years, including one year each of algebra, geometry, and advanced algebra.

NATURAL SCIENCE

Three years, including courses in general science, biology, chemistry, earth science, or physics; laboratory experience highly recommended.

Three years, including one year each from any two of the following: biology, chemistry, and physics for admission to the College of Liberal Arts and Sciences. Three years, including at least one year of chemistry and one year of physics, for admission to the College of Engineering.

Three years, including one year each from any two of the following: biology, chemistry and physics.

SOCIAL STUDIES

Three years, including courses in anthropology, economics, geography, government, history, psychology, or sociology.

Three years, with U.S. history and world history recommended, for admission to the College of Liberal Arts and Sciences. Two years, with U.S. and world history recommended, for admission to the College of Engineering.

Two years for admission to Colleges of Agriculture, Business, Design, Human, Sciences, and Engineering. Three years for admission to the College of Liberal Arts and Sciences.

FOREIGN LANGUAGE

Foreign language courses are not required for admission. However, two years of foreign language in high school

with a C- or above in the last term will meet the University graduation requirement.

Two years of a single foreign language.

Two years of a single foreign language for admission to the College of Liberal Arts and Sciences and the College of Engineering. Foreign language courses are not required for admission to the Colleges of Agriculture, Business, Design, and Human Sciences. Beginning

ELECTIVES

Two 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 the admission to Iowa State University.

Regent Admission Index

Students from Iowa high schools planning to begin their studies in fall 2009 or later must have a Regent Admission Index score of at least 245 and take the minimum number of required high school courses to qualify for automatic admission to Iowa State University, the University of Northern Iowa, and the College of Liberal Arts and Sciences at The University of Iowa. Students who achieve a score less than 245 will be considered for admission on an individual basis.

The index combines four factors that strongly predict success at regent universities: ACT or SAT test score, high school rank, high school cumulative grade-point average, and the number of completed high school core courses (only NCAA Approved courses will be counted).

QUESTIONS AND ANSWERS

SHOULD I PLAN TO GRADUATE EARLY MY SENIOR YEAR?

Students, particularly those, who are college-bound, can profit considerably from the additional semester of preparation. Early graduation may be a good option for those students who plan to begin their studies in college immediately. On the other hand, being out of school early would not be advisable for most students. Some students graduate mid-year to enter the labor market full time. In all cases preparation and plans for the future should be carefully considered.

HOW IMPORTANT IS GRADE POINT?

Although the grade point average is one of the criteria used for college admission, a factor of equal importance is taking the proper courses to gain the background required for your chosen major.

HOW IMPORTANT ARE TEST SCORES?

You will have the opportunity to take a variety of interest inventories and ability tests while in high school. A primary purpose of all of the inventories and tests is to provide information, which can help you clarify and evaluate your interests and abilities. This information can help you make appropriate educational and career choices.

WHEN SHOULD I BEGIN SELECTING A TRADE/TECHNICAL SCHOOL OR COLLEGE?

Selection of a trade school, technical school, or college can be difficult process. Part of this process is identifying the criteria important to you in selecting an institution of higher learning. Cost, location, size, and course offerings are factors, which should be considered in you decision. Obviously, the more time you spend in the selection process, the more likely your selection will meet the criteria important to you. Your counselor will be able to suggest career planning aids and will be able to help you with the post-secondary planning process.

SHOULD I PLAN MY CLASSES SO I CAN HAVE AN EASY SENIOR YEAR?

One thing students should avoid if at all possible is minimum preparation for future plans. Since most students have more credits than required for graduation "easing off" can be attractive during the senior year. Students should continually strive to meet or surpass the preparation of those against whom they will be competing. Regardless of future plans, carrying a full student class load during the senior year is highly advisable. In some cases, this may save time and money later.

HOW CAN I SEE MY HIGH SCHOOL RECORDS?

Two sets of records are kept on all students. A permanent record containing strictly objective information is housed in the counseling department. A cumulative folder containing similar information is kept in the student's counselor's office. Either of these may be examined by appointment by either the students or their parents or guardians during the regular school hours.

WHO IS RESPONSIBLE FOR MAKING SURE I HAVE EARNED ALL OF THE REQUIREMENTS FOR GRADUATION?

Since the requirements for graduation are explicitly stated in the registration and book, it is the student's and his/her parent's responsibilities to see those graduation requirements are met. The counselor, however, can work closely with students in planning their high school programs to best prepare them for their future plans. Take the initiative to see your counselor often each year.

WHEN SHOULD I BEGIN VISITING WITH COLLEGE REPRESENTATIVES?

Representatives from most Iowa colleges and many out-of-state colleges visit our high school each year. Visiting with these representatives can be helpful in selecting a college. If possible, you should visit with some of the college representatives prior to your senior year. You may be excused from a class to visit with a college representative if you have a pass from your counselor.

HOW DO I FIND OUT ABOUT SCHOLARSHIPS AND FINANCIAL AID FOR FURTHER EDUCATION?

Information about scholarships and financial aid opportunities are available from your counselor.

SHOULD I BECOME INVOLVED WITH SCHOOL ACTIVITIES?

Involvement in school activities can be both educational and enjoyable. Some of the activities include: debate, speech, drama, athletics, music, and journalism. Participation in activities may help you gain experience in one of your interest areas and, at the same time, you will receive enjoyment from accomplishing something with your friends.

HOW DO I KNOW IF I AM ACADEMICALLY ELIGIBLE TO PARTICIPATE IN EXTRACURRICULAR INTERSCHOLASTIC COMPETITION?

Fort Dodge Senior High School eligibility is determined in accordance with the Iowa Department of Education “NO PASS NO PLAY” legislation. A student must receive passing grades in all courses to remain eligible for their bona fide sports. A student’s bona fide sports are those in which the student participated in during their freshman year. During a student’s freshman year at FDSH, the “No Pass No Play” policy is in effect for all sports in which a student chooses to participate. Students, also, must be considered full-time students (enrolled in at least 3 classes) to be eligible. For detailed information regarding the eligibility policy, contact Mr. Tom Kinseth, Athletic and Activities Director.

SPECIAL TESTING PROGRAMS

There are numerous tests administered by organizations other than the high schools for special purposes such as college admission, scholarships, placement, and vocational guidance. Therefore, it is necessary that students begin planning early. The choice of college will determine which tests are needed. Information about these tests may be obtained in the guidance office. Students are encouraged to discuss their individual needs with a counselor.

PSAT/NATIONAL MERIT SCHOLASTIC QUALIFYING TEST (PSAT/NMSQT)

This test is an elective test administered to sophomores and juniors during the fall semester. It provides practice for the SAT I and, for juniors, initiates the selection process for National Merit Scholarship winners. A registration fee is required.

AMERICAN COLLEGE TESTING PROGRAM (ACT)

Most four-year midwestern colleges for admission, placement, and scholarships use the ACT. This test is most often taken during the spring (April) of the junior year but can be taken at the beginning (October) of the senior year. Registration materials are available in the guidance area.

COLLEGE ENTRANCE EXAMINATION BOARD (SAT 1 AND SAT 11)

Some colleges and some national scholarships require the SAT I – reasoning test and/or SAT II – subject tests. These tests are mainly for senior although some juniors may wish to take them in the spring or summer. Students should consult their counselor for testing dates and centers. Registration materials are available in the guidance area.

ADVANCED PLACEMENT

These tests are used by some colleges to allow students advanced standing, advanced credit or both before they actually enroll as freshmen at that college. Fort Dodge Senior High offers several advanced placement courses. Students are strongly advised to check the policy of their prospective college regarding advanced credit or placement before taking these tests.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

These tests are specific to a given subject. Some colleges award credit based upon the CLEP score student’s achieve. Students should work closely with their prospective college to be certain credit can be earned. CLEP tests are given at Iowa Central. Contact your counselor for more information.

ART DEPARTMENT

ART STUDIO

1 CREDIT

9, 10, 11, 12

Prerequisite: for all Art courses.

Art Studio deals with the fundamental elements and principles of art through studio projects. It will provide a sampling of skills in each media. The care of tools and media usage will be encouraged. Art appreciation is addressed.

3 DIMENSIONAL DESIGN

1 CREDIT

9, 10, 11, 12

Prerequisite: Art Studio

This course deals with the fundamental principles of three-dimensional design. Emphasis will be placed on foam-core construction, plaster subtractive sculpture and paper mache'. Industrial design as well as fine art sculpture will be explored.

DIGITAL DESIGN

1 CREDIT

9, 10, 11, 12

Prerequisite: Art Studio

Digital Design provides students the opportunity to experiment with the creation of art through a computer-based curriculum. This course will explore a variety of graphic design challenges that will encourage the development of skills in digital photography and Adobe Photoshop.

ADVERTISING DESIGN

1 CREDIT

9, 10, 11, 12

Prerequisite: Art Studio

Advertising Design provides opportunities to work within a special area of advertising. The activities encourage the interpretation of thoughts, ideas, and feelings in creative and practical ways. Freehand pen and brush lettering skills will be developed, along with the marketing of products through graphic design.

DRAWING AND PAINTING

1 CREDIT

9, 10, 11, 12

Prerequisite: Art Studio

Drawing and Painting provides opportunities to reinforce and expand the learning in two-dimensional forms of art and develops a more personal power of expression. A variety of drawing and painting media will be used.

PAINTING

1 CREDIT

9, 10, 11, 12

Prerequisite: Art Studio

This course provides the student with the opportunity to create easel paintings on stretched canvas and masonite. The student will explore a variety of painting styles and techniques. Both acrylic and oil paint will be utilized on projects.

SCULPTURE

1 CREDIT

9, 10, 11, 12

Prerequisite: Art Studio

This course provides opportunities to develop sculptural formed projects. Modern and representational theories will be studied. Basic sculpture material, such as wood, plaster, foam, clay, and wire will be used. The experimental use of media and additive, subtractive, and manipulative combinations will be encouraged on all projects.

CLAY

1 CREDIT

9, 10, 11, 12

Prerequisite: Art Studio

Clay provides opportunities to explore the basic techniques of handbuilding, wheelwork, glazing, firing and finishing clay. Opportunities will be provided to create individual projects and to experiment with glazes and the results in firing. Raku ceramics will be explored.

SILVERSMITHING AND JEWELRY DESIGN

1 CREDIT

9, 10, 11, 12

Prerequisite: Art Studio

Silversmithing and Jewelry Design provides opportunities to use specific jewelry tools, metals, stones, and found materials to create art products. Fabrication, stone setting, and lost wax casting will be investigated. The purchase of metals and other materials may be required. Safety glasses required.

ADVANCED ART STUDIES**1 CREDIT****11,12***Prerequisite: Art Studio and Selected Art Class*

An opportunity for advanced art students to independently explore a selected art area. This is an independent study course requiring students to have taken the prerequisite classes. Proficiency must have been demonstrated by the student in the art area of choice. Teacher, counselor, and principal approval are required. A contract of course requirements will be written between the teacher and student.

BUSINESS EDUCATION DEPARTMENT

A student who reaches a high level of competency in certain vocational courses is eligible to receive college credit in a vocational program at specific community colleges. This is called "articulation." Articulation allows a student to make a smooth transition from senior high to a community college program without experiencing duplication of learning. Courses that can be articulated are noted in the course description.

INTRODUCTION TO BUSINESS**1 CREDIT****9,10, 11, 12**

This course is designed to introduce students to a variety of business-related topics such as: economic systems, business structures, business leadership, producing and marketing goods and services, business ethics, international business, government in our economy, managing a small business, and business opportunities. Students will be presented with facts, principles and concepts necessary to become effective members of the business community, and a major project brings this course to closure when the students have the opportunity to learn how to develop a business proposal.

BUSINESS LAW**1 CREDIT****10, 11, 12**

In Business Law, students will learn the importance of laws and how they relate to business, as well as their effect on society and the individual. This course teaches a basic appreciation for law and its applications. Specific units include: the basics of criminal and civil law, contract law, consumer law and student rights and responsibilities regarding important life events. Any students interested in pursuing a career in law or business should strongly consider enrolling in this course.

MARKETING I**1 CREDIT****10, 11, 12**

Recommended strongly to those students interested in the Marketing Education Program and business related careers.

In this course, you will learn what marketing is and how it helps connect businesses of all kinds to their customers. You will develop the skills of marketing to be used in any career path that you choose to follow. These include Marketing-Information Management, Selling, Pricing, Product/Service Management, Promotion, Financing, and Distribution. You will learn about the above functions of a well-managed business, plus the Foundations of Businesses: Communication and Interpersonal Skills; Business, Management and Entrepreneurship; Economics, and Professional Development (known as life-long learning).

PERSONAL FINANCE**1 CREDIT****9, 10, 11, 12**

Personal Finance is a course designed to develop your ability to solve real world problems in order to become productive citizens and workers in a technological society. Areas of study will include personal financial planning, budgeting expenditures and savings, effective cash management, tax planning, proper use of credit, making major purchases, investments and insurance protection, retirement and estate planning, and decision-making skills for all aspects of life as consumers, producers, entrepreneurs, and economic citizens. Problem-solving applications, as well as a variety of instructional strategies, will be used to analyze and solve business problems.

COMPUTER APPLICATIONS I**1 CREDIT****9, 10, 11, 12**

(May be taken on a Pass/Fail basis.)

Computers play such an important role in every career. It is extremely important that students leave at graduation with a baseline knowledge of computers. Computer Applications I will give students the computer experience they need. This course will place an emphasis on learning the computer keyboard by touch, developing speed and accuracy, and using correct techniques. Students will also learn to create and format word processing documents. In addition, this course will include tutorials on computer literacy and the Internet.

COMPUTER APPLICATIONS II**1 CREDIT****9, 10, 11, 12***Prerequisite: Computer Applications I*

Computer Applications II gives students a chance to choose a technology curriculum that interests them. Students will take charge of their own learning and develop skills in two of the following software/ office procedures: Microsoft Office applications (Excel, Access, PowerPoint and Publisher), business documents, Adobe InDesign, development of keyboarding skills, 10-key skills, or a negotiated topic they would like to concentrate on. Students will work independently to become familiar and proficient users of the software. Assignments and learning materials are based on the applications used in the real-world business industry. Emphasis is placed on time management and the development of organizational skills for job-related procedures.

COMPUTER APPLICATIONS III**1 CREDIT****9, 10, 11, 12***Prerequisite: Computer Applications II*

Computer Application III continues in the development of the skills acquired in Computer Applications II and gives students a chance to choose a technology curriculum that interests them. Students will take charge of their own learning and develop skills in two of the following software/ office procedures: Microsoft Office applications (Excel, Access, PowerPoint & Publisher), business documents, Adobe InDesign, development of keyboarding skills, 10-key skills, or a negotiated topic they would like to concentrate on. Students will work independently to become familiar and proficient users of the software. Assignments and learning materials are based on the applications used in the real-world business industry. Emphasis is placed on time management and the development of organizational skills for job-related procedures.

INTRODUCTION TO MULTIMEDIA**1 CREDIT****9, 10, 11, 12***Prerequisite: Successful completion of Computer Applications I or Instructor Approval*

This course is set up to give the student an opportunity to explore the authorware software package Hyperstudio. This application allows the user to manipulate graphics, video, audio, and text. Each student will have the opportunity to work with computers, digital cameras, scanners, and other peripheral devices. Students may also utilize the Internet for resources. Students demonstrate their learning by creating a multimedia project of their choice, which is complete upon predetermined guidelines.

ADVANCED MULTIMEDIA**1 CREDIT****10, 11, 12***Prerequisite: Successful completion of Intro. To Multimedia*

Students will build upon what they learned in Introduction to Multimedia to learn more advanced media and information literacy concepts and skills by planning, researching, and creating multimedia projects using software titles such as Premiere Pro for video editing, Photoshop for image-editing, and Illustrator for graphic design.

(ICCC) DREAMWEAVER I CIS-256**1 HIGH SCHOOL CREDIT 11, 12****AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC***Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT, and passed Computer Applications I.*

Learn to create sophisticated web-sites with Macromedia's Dreamweaver – the HTML editor of choice among professional Web designers. Become skilled in designing sites with advanced layouts by using tables, style sheets, images and more. Go from beginner to intermediate while creating a portfolio-building project web-site.

(ICCC) WEB GRAPHICS CIS-255**1 HIGH SCHOOL CREDIT 11, 12****AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC***Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT, and passed Computer Applications I.*

Get a thorough grounding in Adobe Photoshop and Adobe ImageReady, the must-have digital imaging programs for today's web and print designers. Hands-on projects include working with layers, making selections, incorporating color technique, and creating special effects with filters and more. Create complex web graphics such as rollovers and animations.

ENTREPRENEURSHIP AND SMALL BUSINESS MANAGEMENT 1 CREDIT 11, 12

This course is strongly recommended to Marketing Education Program Students. Suggested supplemental coursework: Computer Applications, Marketing I, Retail Sales, Accounting and Introduction to Business.

In this course, you will learn what it takes to own and operate your own business or manage a business for the owners. You will learn everything from how to create the business, put the ideas onto paper, and then make your proposal to the investors.

**(ICCC) INTRODUCTION TO ACCOUNTING (ACC-111) 2 CREDITS 11,12
AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC**

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

Students will receive instruction in analyzing and recording various business transactions and in completing the accounting cycle by journalizing, posting, preparing worksheets, making adjusting and closing entries, and preparing financial statements for service and merchandising businesses. Instruction will be provided for accounting for cash by using a petty cash fund, reconciling a bank statement, and utilizing the cash short and over account: calculating and journalizing employees' payroll: and calculating and journalizing employer payroll taxes. No previous accounting instruction is necessary. Computer may be utilized.

**(ICCC) COMPUTERIZED ACCOUNTING (ACC-311) 1 CREDIT 11,12
AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC**

Prerequisite: Introduction to Accounting, and student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

This course is designed to provide the student experience in handling automated accounting in a number of areas. These include general ledger, accounts receivable, accounts payable, payroll, depreciation, inventory and accounting statement analysis. Simulation of business and its activities are processed through the entire accounting cycle culminating in the various accounting reports. The applications will be done on a computer.

WORLD OF WORK 1 CREDIT 11

This course is designed to provide students with the kind of information everyone needs regarding how to get a job, how to keep a job, and how to be successful on the job. Students will also be provided with the opportunity to explore occupations at various businesses in the community in which they have an interest. Students will need to arrange for transportation to their exploratory sites.

RETAIL SALES 1 CREDIT 10, 11, 12

The Retail Sales course is the prerequisite requirement for the Marketing Education Program and should be taken prior to the student's senior year.

In this course you will learn about selling and customer service. You will learn to determine the clients needs and wants, how they think and then to respond to the customer through planned, personalized communication that influences purchase decisions. Focus is on the steps of the selling process to better sell products and services, ideas and you.

**MARKETING EDUCATION PROGRAM 2 CREDITS 11(35 credits), 12
CLASSROOM INSTRUCTION (1/2 CREDITS PER SEMESTER)**

Prerequisite: Retail Sales, Marketing I or Entrepreneurship and Committee Approval required. World of Work, Marketing I, Entrepreneurship, Accounting, and Computer Applications are strongly recommended as supporting courses.

Co-requisite: Marketing Education On-the-Job Training

All students must enroll for a minimum of two consecutive semesters in the same academic year, though four semesters provides a complete learning experience and meets college credit articulation requirements.

NOTE: Classroom meets zero hour (7:30 a.m.-8:15 a.m.)and students are released at 11:26 a.m. for on-the-job training.

A yearlong course, this program is designed to give the future Business or Marketing Major a head start in the business world by completing a successful work-based learning experience. The three components of the course: Classroom, Job, and the DECA association; give the student an opportunity to build strong communication and human relations skills, a basic business/marketing and work ethic foundation and practice these skills on-the-job. DECA membership and participation at the local, state and national levels is required and provides leadership

activities, competitive experiences with scholarship and travel opportunities, meeting and interacting with other high school students from Iowa, the Midwest, the United States and Canada. Selection for the program is based on career interest, personal commitment, school attendance and the student/parent interview. Membership in DECA as an extra-curricular school activity during the student's early high school years is a plus.

The Cooperative Career and Technical Education Programs are piloting an opportunity for Juniors to participate. The following requirements must be met to be eligible for the Programs.

- Juniors must have a **minimum of 35 credits prior to enrolling.**
- Juniors may enroll in Coop Programs only at the beginning of the 3rd Semester.
- Junior enrollees must be employed prior to the first day of the third (3rd) semester. Cooperative Career and Technical Education Instructors may be of assistance.

MARKETING EDUCATION PROGRAM 6 CREDITS 11(35 credits), 12
ON-THE-JOB TRAINING (1 ½ PER SEMESTER)

Prerequisite: Marketing Education Classroom acceptance.

Co-requisite: Marketing Education Classroom.

Employment placement related to the student's career interests in business and marketing and the experiences to be gained are the goals for the on-the-job portion of the Marketing Cooperative Education Program. Through this work-based learning experience students apply what is presented in theory in the classroom to action on-the-job. Their sponsoring employer and the program coordinator evaluate and grade the student. This course can be articulated for college credit at the community college level. The student must enroll for a minimum of two consecutive semesters in the same academic year, however, the full four semesters are strongly recommended by the high school, college(s) and the sponsoring employers.

BUSINESS PROFESSIONALS CLASSROOM (BPA) 2 CREDITS (1/2 credit per semester) 12

Prerequisite: Keyboarding Applications I and Committee Approval

Co-requisite: Business Professionals On-the-Job Training

Business Professionals Classroom instruction emphasizes use of microcomputers in offices, word processing, machine transcription, filing, electronic calculator, proof reading and other office procedures. The Business Professionals of American Student Organization provides social, educational and competitive event opportunities for the students. This course can be articulated for college credit at the community college level. The student must enroll for a minimum of two consecutive semesters in the same academic year. Four semesters are recommended.

BUSINESS PROFESSIONALS ON-THE-JOB 6 CREDITS 12
(1 ½ credits per semester)

Prerequisite: Keyboarding Applications I and Committee Approval

Co-requisite: Business Professional Classroom and one of the following courses: Keyboarding Applications II, Keyboarding Applications III, Using and Understanding Computers, Business Communications and Technologies I or II, Notemaking and Study Skills, Accounting I or II

Business Professionals On-the-Job Training provides on-the-job training at an approved training site. Selection for the program is based on skills, grades, citizenship, attendance, and an interest in one of the following areas: clerical, secretarial, or data processing. Students are evaluated by their on-the-job employer and the teacher. The student must enroll for a minimum of two consecutive semesters in the same academic year. Four semesters are recommended.

COLLEGE COURSES

IOWA CENTRAL COMMUNITY COLLEGE (ICCC)

The Post-Secondary Enrollment Options Act allows students to enroll part time at an eligible community college, State University, or private college or university. The purpose of this Act by Iowa Legislature is to promote rigorous educational pursuits and provide a wide variety of options for students.

'Early Bird' classes are college courses offered at FDSH. Students receive one high school credit and assigned college semester hours of credit upon successful completion. The Fort Dodge Community School District provides the instructor. To enroll in 'Early Bird' courses, indicate which course(s) you wish to take on your

WEB GRAPHICS (CIS-255)**1 HIGH SCHOOL CREDIT 11, 12
AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC**

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT, and passed Computer Applications I.

Get a thorough grounding in Adobe PhotoShop and Adobe ImageReady, the must-have digital imaging programs for today's web and print designers. Hands-on projects include working with layers, making selections, incorporating color technique, creating special effects with filters and more. Create complex web graphics such as rollovers and animations.

INTRODUCTION TO ACCOUNTING (ACC-111) 2 CREDITS 11,12**AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC**

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

Students will receive instruction in analyzing and recording various business transactions and in completing the accounting cycle by journalizing, posting, preparing worksheets, making adjusting and closing entries, and preparing financial statements for service and merchandising businesses. Instruction will be provided for accounting for cash by using a petty cash fund, reconciling a bank statement, and utilizing the cash short and over account: calculating and journalizing employees' payroll: and calculating and journalizing employer payroll taxes. No previous accounting instruction is necessary. Computer may be utilized.

COMPUTERIZED ACCOUNTING (ACC-311) 1 CREDIT 11,12**AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC**

Prerequisite: Introduction to Accounting, and student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

This course is designed to provide the student experience in handling automated accounting in a number of areas. These include general ledger, accounts receivable, accounts payable, payroll, depreciation, inventory and accounting statement analysis. Simulation of business and its activities are processed through the entire accounting cycle culminating in the various accounting reports. The applications will be done on a computer.

WESTERN CIVILIZATION: ANCIENT TO EARLY MODERN (HIS-112) 10, 11, 12**1 HIGH SCHOOL CREDIT AND 4 SEMESTER HOURS COLLEGE CREDIT-ICCC**

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

This course will be taken for both high school and college credit. Students must be high school juniors, seniors or must be identified as a tenth grade TAG student to be eligible. The course revolves around major themes in the early story of Western Society, emphasizing such themes as our heritage from the Greeks, Romans, feudalism and castles, the revival of Democracy, Renaissance, Reformation, Age of Kings and Rise of Nations through the Age of Enlightenment.

WESTERN CIVILIZATION: EARLY MODERN TO PRESENT (HIS-113) 10, 11, 12**1 HIGH SCHOOL CREDIT AND 4 SEMESTER HOURS COLLEGE CREDIT-ICCC**

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

This course will be taken for both high school and college credit. Students must be high school juniors, seniors or must be identified as a tenth grade TAG student to be eligible. This course covers the French Revolution and Napoleon, political, social and economic events, revolution, world wars, and nation-building to the present (1815).

COMPOSITION I (ENG-105)**1 HIGH SCHOOL CREDIT 11, 12
AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC**

Prerequisite: Passed Composition II with a C- or better, or have passed Honors English I, II, and III (or AP); and have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

This course will be taken for both high school and college credit. The course focuses on the process of writing expressive and informative prose. It introduces library research skills and critical thinking skills. Informal speaking situations are part of required class work.

COMPOSITION II (ENG-106)**1 HIGH SCHOOL CREDIT 11, 12
AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC**

Prerequisite: Successful completion of ICCC Composition I with a C- or better. Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

This course will be taken for both high school and college credit. This course is a continuation of ICCC English I with advanced work in library research techniques. The major focus is on persuasive and argumentative writing with an emphasis on critical thinking skills.

FUNDAMENTALS OF ORAL COMMUNICATION (SPC-101) 1 HIGH SCHOOL CREDIT 11, 12**AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC**

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT. Successful completion of ICCC Composition I.

This course is designed to develop the basic skills of oral communication by studying the process and theory of communication. Emphasis is placed on the preparation and delivery of individual and group presentations in various speaking situations.

CALCULUS I (MAT-210)**2 HIGH SCHOOL CREDITS 11,12
AND 4 SEMESTER HOURS COLLEGE CREDIT - ICCC**

Prerequisite: Pre-Calculus, Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

Calculus is for those students who have successfully completed the Pre-Calculus Mathematics course. Topics included in this course are limits, rate of change of a function, derivatives, and applications of derivatives, integration and applications of integration. A thorough study of the calculus that applies to trigonometry, logarithmic, and exponential functions is also included. A graphing calculator is required.

CALCULUS II (MAT-216)**2 HIGH SCHOOL CREDITS 11,12
AND 4 SEMESTER HOURS COLLEGE CREDIT – ICCC**

Prerequisite: Passed College Calculus I, and scored at the minimum placement level on one of the following tests: ITED, ASSET, Compass, or ACT.

This is the second course in the Calculus sequence. It includes the study of techniques and applications of integration, infinite series, polar equations and graphs, and vectors in two and three dimensions. Required: a graphing calculator capable of at least numeric computation of integration and differentiation.

STATISTICS I (MAT-156)**1 HIGH SCHOOL CREDIT 11, 12
AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC**

Prerequisite: Algebra II, Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

Required: a graphing calculator capable of statistical computations and graph displays. This is the first course in basic probability and statistics which includes the study of frequency distributions, measures of central tendency and dispersion, elements of statistical inference, regression and correlation.

STATISTICS II (MAT-158)**1 HIGH SCHOOL CREDIT 11, 12
AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC**

Prerequisite: Passed College Principles of Statistics I. Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

Required: a graphing calculator capable of statistical computations and graph displays. This is the second course in the statistics sequence. It includes the study of additional topics in probability, correlation, regression, and statistical inference. The course also includes the topics of chi-square procedures, analysis of variance, non-parametric methods and statistical quality control.

INTRODUCTION TO PSYCHOLOGY (PSY-111)**1 HIGH SCHOOL CREDIT 11, 12
AND 3 SEMESTER HOURS COLLEGE CREDIT –ICCC**

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

This course will be taken for both high school and college credit. Students must be high school juniors and seniors. Psychology is the study of human behavior and mental processes. Topics covered include research methods,

learning, memory and cognition, abnormal psychology, therapies and related developmental and biological factors that affect human behavior.

**INTRODUCTION TO CRIMINAL JUSTICE (CRJ100) 1 HIGH SCHOOL CREDIT 11, 12
AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC**

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

This course examines the criminal justice system and those areas closely related to it. Emphasis is on the relationships among law enforcement, adult and juvenile corrections, courts and private security and correctional agencies.

**NURSE AIDE (HSC-113) 1 HIGH SCHOOL CREDIT 11, 12
AND 3 SEMESTER HOURS COLLEGE CREDIT – ICC**

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

This course provides students with a basic level of knowledge and skills to provide safe, effective resident care. This nurse aide course meets the training requirements of The Omnibus Budget Reconciliation Act of 1987 for aides working in nursing facilities and skilled nursing facilities.

**INTRODUCTION TO HEALTH CARE (HSC-104) 1 HIGH SCHOOL CREDIT 11, 12
AND 2 SEMESTER HOURS COLLEGE CREDIT – ICC**

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

Introduction to Health Care will provide students with a basic introduction to the health care delivery system with expected student competencies in professionalism, legal and ethical responsibilities, communication, understanding of patient health care needs and behaviors, safety and infection control. A significant amount of time will be spent in job shadowing experiences at health care facilities in the community. Students who successfully complete the course will receive one high school credit and two semester hours of college credit from Iowa Central Community College.

**MEDICAL TERMINOLOGY (HSC-113) 1 HIGH SCHOOL CREDIT 11, 12
AND 2 SEMESTER HOURS COLLEGE CREDIT – ICC**

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

Students enrolled in Medical Terminology will study terminology of the human body systems with an emphasis on recognition and functional vocabulary related to medical science. Course competencies focus on definitions, standard abbreviations, pronunciation, and correct spelling of medical terminology. Students will learn how health care professionals use medical terminology to communicate in the provision of health care services. Students who successfully complete the course will receive one high school credit and two semester hours of college credits from Iowa Central Community College.

**INTEGRATED HUMAN ANATOMY 1 HIGH SCHOOL CREDIT 11, 12
AND PHYSIOLOGY 1 w/LAB (BIO-168) AND 4 SEMESTER HOURS COLLEGE CREDIT – ICC**

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT. Successful completion of Biology and Chemistry.

A study of the structure and function of the human body. This course is the first course of a two-semester sequence. The study begins at the cellular level and proceeds through the integumentary system, skeletal system, muscular system, the central, peripheral and autonomic nervous systems and the senses. A dissection of a cat will be included.

**INTEGRATED HUMAN ANATOMY 1 HIGH SCHOOL CREDIT 11, 12
AND PHYSIOLOGY 2 w/LAB (BIO-173) AND 4 SEMESTER HOURS COLLEGE CREDIT – ICC**

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT. Integrated Human Anatomy and Physiology I.

The second course in a two-semester sequence. The study continues with the endocrine system, blood and cardiovascular systems, lymphatic system and immunity, respiratory system, digestive system and the reproductive system.

INTRODUCTION TO BIOTECHNOLOGY **1 HIGH SCHOOL CREDIT** **11,12**
AND 3 SEMESTER HOURS OF COLLEGE CREDIT-ICCC

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT. One semester of high school Biology, or Chemistry or concurrent enrollment.

Introduction to Biotechnology is a course which focuses on the fields of biotechnology, biofuels technology, and renewable sources of energy. Lecture material will be supplemented with laboratory activities designed to give students a hands-on look at biotechnology, familiarize the student with the production and refining of biofuels, and explore the use of renewable and sustainable energy resources. This course is open to Juniors and Seniors at Fort Dodge Senior High, and to those Freshman and Sophomores who have qualified for TAG (talented and gifted) programs.

PHYSICS I (PHY-161) **2 HIGH SCHOOL CREDITS** **11,12**
AND 4 SEMESTER HOURS OF COLLEGE CREDIT-ICCC

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT. Algebra II

This course provides a general background for those who do not plan advanced study in physics or engineering. Topics covered include elementary mechanics, including kinematics and dynamics of particles; work and energy; linear and angular momentum; rotational motion; oscillations; waves and gravitation. This course satisfies a general education requirement in the Math/Science area.

PHYSICS II (PHY-172) **2 HIGH SCHOOL CREDITS** **11,12**
AND 4 SEMESTER HOURS OF COLLEGE CREDIT-ICCC

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT, College General Physics I

This course is a continuation of PHY-161 Physics I. Topics covered include heat, thermodynamics, kinetic theory of gases; electric forces and fields; direct and alternating currents; magnetic forces and fields; ray optics and image formation; and atomic structure.

AUTOMOTIVE MAINTENANCE II (Intro. to Automotive Technology AUT-106) **10, 11, 12**
1 HIGH SCHOOL CREDIT AND 2 SEMESTER HOURS COLLEGE CREDIT-ICCC

Prerequisite: Small Engine Technology and Automotive Maintenance I with a C- or better.

STUDENTS MUST HAVE A VALID IOWA DRIVERS LICENSE

Automotive Maintenance II is a continuation of Automotive Maintenance I. Emphasis will be placed on skill development and automotive technology as the students continue to study additional automotive systems. Time will be divided between the lab and the classroom. This course provides an introduction to the many facets of the Automotive Industry. To include: Careers in the automotive industry, environmental concerns affecting the automotive industry, basic automotive hand tools, specialty tools, precision measuring tools, powers tools and shop equipment, using service and shop manuals, and shop safety.

INTRODUCTION TO AUTOBODY REPAIR-CRR303 **1 CREDIT** **11,12**
3 SEMESTER COLLEGE CREDITS-ICC

Prerequisite: Automotive Maintenance I

Auto Body develops skill to do minor automobile body repair and refinishing. Emphasis will be placed on straightening or replacing of panels and on welding, filing, sanding, priming, and refinishing.

VOCATIONAL AUTOMOTIVE TECHNOLOGY (ICCC Intro. to Engine Repair AUT-163, Automotive Brake Systems AUT-503)

4 HIGH SCHOOL CREDITS **12**
AND 7 SEMESTER COLLEGE CREDITS-ICCC

Prerequisites: Small Engine Auto I, II and Committee Approval

Vocational Auto Mechanics is a laboratory and classroom course, which meets one period per day all school year. This course is designed to simulate actual on-the-job experience. Students will have the opportunity to develop entry level skills in the automotive service trade. Laboratory work will make up approximately eighty percent of the class time. This course for college credit through ICCC is entitled INTRODUCTION TO ENGINE REPAIR (3 SEMESTER HOURS) and INTROCUCTION TO AUTOMOTIVE BRAKE SYSTEMS (3 SEMESTER HOURS). Introduction to Engine Repair will consist of classroom and lab instruction covering the theory of operation,

disassembly, measurement and rassembly of internal combustion gasoline and diesel power plants. When possible, power plants will be operationally tested prior to disassembly and reassembly. Introduction to Automotive Brake Systems covers brake systems utilized in the modern vehicle including anti-lock brakes. Classroom and lab instruction will be utilized, to teach students the latest procedure for inspecting, measuring, diagnosing and repairing the modern brake systems in use today.

COMPUTER AIDED DRAFTING – ARCHITECHTURAL / MECHANICAL 10, 11, 12

(Intro. to CAD CAD-101)

2 HIGH SCHOOL CREDITS AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC

Prerequisite: Introduction to Computer Aided Drafting

(Students can take Computer Aided Drafting twice, once with an emphasis in architectural drafting and once with an emphasis in mechanical drafting—4 credits total)

Advanced drafting students complete more advanced computer aided design problems than were done in the introductory class. CAD Mechanical students are involved with machine components and parametric modeling while CAD Architecture students draw light frame buildings. The CAD classes provide students an introduction to technical training needed to enter various fields of computer aided drafting and design. The course for college credit through ICCC is entitled INTRODUCTION TO COMPUTER AIDED DRAFTING. This course provides the student with an introduction to the use of Computer Aided Drafting software to make drawings of various objects. Students will create and modify drawings, print hard copies, and change the drawing environment to meet task requirements. AutoCAD 2002 and Solidworks software is used to complete assignments.

**WELDING II (Beginning Welding WEL-122) 1 HIGH SCHOOL CREDIT 11, 12
AND 2 SEMESTER HOURS COLLEGE CREDIT –ICCC**

Prerequisite: Welding Level I (“C” grade or better recommended)

Welding Level II is a Dual Credit class with ICCC. All welding done in level II will be in electric arc. Welding will be done in Shielded Metal Arc (SMAW). In-depth instruction will come in Gas Metal Arc Welding (GMAW) and Gas Tungsten Arc Welding (GTAW). There will be daily classroom instruction as well as daily lab/ welding time. Students will need to complete a number of required weld exercises. To earn ICCC credit students need to have a “B” average in lab work as well as a “C” average on tests. Welding will be done on mild steel, stainless steel, and aluminum. There may be some time to build a small weld project, with additional cost.

**INTRODUCTION TO ENGINEERING 2 HIGH SCHOOL CREDITS 9
AND 3 SEMESTER HOURS COLLEGE CREDIT**

Prerequisite: Students will be selected to participate .

Students use a problem-solving model to improve existing products and invent new ones. Using sophisticated three-dimensional modeling software, students communicate the details of the products. Emphasis is placed on analyzing potential solutions and communicating ideas to others. Project Lead The Way.

**PRINCIPLES OF ENGINEERING 2 HIGH SCHOOL CREDIT 10,11,12
3 SEMESTER HOURS COLLEGE CREDIT**

Prerequisite: Intro. To Engineering, or Administrator Approval

This introductory course explores the wide variety of careers in engineering and technology and looks at various technology systems and manufacturing processes. Using activities, projects, and problems, students learn first hand how engineers and technicians use math, science, and technology in an engineering problem-solving process to benefit people. Project Lead The Way.

DRIVERS EDUCATION DEPARTMENT

DRIVERS EDUCATION 1 CREDIT 9, 10, 11, 12

Offered by Iowa Central Community College.

Those who wish to get an Iowa drivers license before age 18 must successfully complete drivers education. The course consists of a minimum of thirty (30) hours of classroom instruction and six (6) hours of behind the wheel driving with a certified instructor. Students may register for driver education in time to receive their driver’s education certificate on or before their sixteenth birthday. This course is offered only pass/fail. Students will receive

one full credit toward graduation. A student's Iowa instruction permit must be registered with the student's guidance counselor prior to his/her registering to take drivers education. The fee is currently \$330 for the course payable in advance. (Fee amount is subject to change pending Iowa Central Community College action.) Students can pick up drivers license study information at the Department of transportation, Drivers license station at 2313 1st Avenue South in Fort Dodge

ENGLISH DEPARTMENT

8 English credits are required for graduation.
Students must pass in sequence – English I,
English II, and English III or Honors English I,
Honors English II, and Honors English III. AP English (3 semesters) may be
taken to fulfill the English III requirement.

The following courses do not meet the Fort Dodge Community School District English graduation requirement, Broadcast News Writing, Stagecraft, Big Dodger, Photo Journalism.

ENGLISH I

2 CREDITS

9,10,11,12

NCAA APPROVED

English I provides opportunities to expand and strengthen writing and reading and thinking skills. Students will work with 2 thematic units of study in each semester. Usage and mechanical skills are taught in the context of composition. This course is required, or Honors English I may be substituted to meet the requirement.

HONORS ENGLISH I

2 CREDITS

9,10,11,12

NCAA APPROVED

Prerequisite: a minimum ITBS Reading percentile rank of 80 and a score of proficient or higher on the 8th grade district reading assessment.

Honors English I provides opportunities to expand and strengthen writing and reading and thinking skills. Students will work with 2 thematic units of study in each semester. Usage and mechanical skills are taught in the context of composition. Honors English I differs from English I in pacing, more reading selections, and more writing. This course is required, or English I may be substituted to meet the requirement.

ENGLISH II

2 CREDITS

9,10,11,12

NCAA APPROVED

Prerequisite: Passing grades in both semesters of English I, or Honors English I

English II is developed around four major thematic units: students will work with 2 thematic units of study in each semester. Students will examine literature to gain insight into the human dimension, into self, and into the writer's craftsmanship and writing. This class also includes a strong research component covering the basics of research and composing a complete research paper. This course is required, or Honors English II may be substituted to meet the requirement.

HONORS ENGLISH II

2 CREDITS

9,10,11,12

NCAA APPROVED

Prerequisite: a minimum ITED percentile rank of 80 and a grade of "A," "B," or "C" in the previous English I or English I Honors course.

English II is developed around four major thematic units: students will work with 2 thematic units of study in each semester. Students will examine literature to gain insight into the human dimension, into self, and into the writer's craftsmanship and writing. This class also includes a strong research component covering the basics of research and composing a complete research paper. Honors English II differs from English 2 in pacing, more reading selections, and more writing. This course is required, or English II may be substituted to meet the requirement.

ENGLISH III

2 CREDITS

9,10,11,12

NCAA APPROVED

Prerequisites: Passing grades in both semesters of English I and English II, or Honors English I & II

English III is designed to help students continue to develop their language skills. Students will work with 2 thematic units of study in each semester. Each unit involves extensive reading, writing, and presentation skills. This course is required, or Honors English III may be substituted.

HONORS ENGLISH III NCAA APPROVED	2 CREDITS	9,10,11,12
<i>Prerequisites: a minimum ITED percentile rank of 80 and a grade of "A," "B," or "C" in the previous English II or English I I Honors course.</i>		
Honors English III is designed to help students continue to develop their language skills. Students will work with 2 thematic units of study in each semester. Each unit involves extensive reading, writing, and presentation skills. Honors English III differs from English III in pacing, more reading selections, and more writing. This course is required, or English III may be substituted.		
READING STRATEGIES	2 CREDITS	9
This is a mandatory class for freshman who scored below proficiency on ITBS Reading Comprehension.		
This course is designed to give students explicit instruction in reading strategies that will help them to become more skilled and strategic readers. Students become better readers when they read more, read a variety of texts, write and talk about their reading, and when they utilize appropriate reading strategies.		
AMERICAN LITERATURE NCAA APPROVED	1 CREDIT	10, 11, 12
American Literature is a survey course that concentrates on the major concepts of our cultural heritage reflected in the literature written by significant American authors. Providing a good background for college-bound students, American Literature demands intensive reading, critical analysis, and writing.		
ENGLISH LITERATURE NCAA APPROVED	1 CREDIT	10, 11, 12
English Literature is a survey course, sampling the major works of England from the Anglo-Saxon to contemporary British writers. Providing a good background for college-bound students, English literature demands intensive reading, critical analysis, and writing.		
READING WORKSHOP	1 CREDIT	9, 10, 11, 12
Reading Workshop is recommended for any student (grades 9-12) who would like to improve his/her reading comprehension, reading speed, and vocabulary skills. Reading workshop invites students to become actively involved as readers of all kinds of books. Students will respond orally and in writing, making connections between their lives and their readings.		
COMPOSITION I	1 CREDIT	10, 11, 12
This course is designed for students who do not wish to take, or do not feel ready for Composition II. The course deals with narrative and expository writing, sentence structures, paragraph development, and organizational strategies.		
COMPOSITION II NCAA APPROVED	1 CREDIT	11, 12
This course is an advanced writing course that develops skills in expository, argumentative, and descriptive writing with an emphasis on research writing. A prior mastery of basic skills of punctuation, sentence structure, paragraphing, and usage is necessary. This course is recommended for college-bound students and is a pre-requisite for College English I.		
JOURNALISM I NCAA APPROVED	1 CREDIT	9, 10, 11, 12
Journalism I is for anyone interested in print and broadcast journalism with a focus on newspapers. Students will learn how to write many different types of stories and study all aspects of newspaper development. Students learn interviewing and reporting skills, advertising concepts, publication design and computer layout skills.		
"LITTLE DODGER" (JOURNALISM II) NCAA APPROVED	2 CREDITS	10, 11, 12
<i>Prerequisite: Journalism I, completion of application and instructor approval prior to sign-up.</i>		
Journalism II is a lab course for producing the student's newspaper, Little Dodger. All students will report and write on stories, which will appear in the newspaper. Students may apply for specific production duties, which include:		

page editors, ad/business manager, co-editor, etc. This course may be taken for additional credit, however only two credits will count toward the District English graduation requirement.

CREATIVE WRITING LAB **1 CREDIT** **9, 10, 11, 12**
NCAA APPROVED

I just wrote this poem. Want to read my story? Tell me what you think about my essays. How do writers work? In Creative Writing Lab, writers select their own topics of stories, poems, essays, plays, etc. Be willing to write daily and be willing to share work with others.

ADVANCED PLACEMENT LITERATURE **3 CREDITS** **11, 12**
Prerequisite: English II
NCAA APPROVED

Advanced Placement English is a literature and composition course. It is a college level class, which examines literature from Sophocles to Faulkner. At the conclusion of the course, students may elect to take the national A.P. exam, which may qualify them for college credit.

Advanced Placement Language and Composition/ICCC Western Civilization I and II **11,12**
3 HIGH SCHOOL SOCIAL STUDIES CREDITS
3 HIGH SCHOOL ENGLISH CREDITS
AND 8 SEMESTER HOURS COLLEGE CREDIT-ICCC

Prerequisite: English II and Instructor Approval

This course is a composite of two college level survey courses. Students are expected to read, write, and discuss challenging texts. Students will also be expected to synthesize from a variety of primary and secondary source materials from a variety of mediums spanning multiple time periods. This class will be co – taught; students will receive a total of 8 credit hours from ICCC, 3 semesters of FDSH social studies and 3 semesters of FDSH English credit. All students will be expected to take the National AP Language and Composition and the AP European History exam upon completion of the course. Successful completion of these exams may qualify students for additional college credit at the discretion of participating institutions.

BIG DODGER (YEARBOOK) **2 CREDITS** **9, 10, 11, 12**
Prerequisite: Completion of application and instructor approval prior to signup. Journalism I recommended for staff writer. Photojournalism recommended for photographers.

Big Dodger is a course for those working on the yearbook. Course members meet each day for job assignments and yearbook layouts. Students interested in publishing/commercial photography career are encouraged to apply for a staff position. **NOTE:** This credit cannot be used to satisfy the District English graduation requirement.

SPEECH **1 CREDIT** **9, 10, 11, 12**
NCAA APPROVED

This course covers speech fundamentals; however, the class will focus on preparing and presenting speeches for various purposes and audiences. These speeches will include speeches to inform, to entertain, to persuade, and special occasion speeches. Speech analysis and rhetorical devices will also be stressed.

DRAMA I **1 CREDIT** **9, 10, 11, 12**
NCAA APPROVED

Drama I is for students with little or no background in the theatre arts. Students will learn about creativity, imagination, improvisation, creating characters, stage movement and direction, character voice, motivation, character and play analysis, and staging and directing scenes from plays. Success in this class requires lots of participation, working in groups and good attendance.

DRAMA II **1 CREDIT** **9, 10, 11, 12**
NCAA APPROVED

Prerequisite: Drama I, and the approval of the instructor.

Drama II is a continuation of Drama I. Students will learn how to produce a play, audition for a role, study play scripts, act out scenes, write some original material, study and view Broadway shows, and design and apply stage makeup. Workshops on drama contest events will round out the class.

STAGECRAFT**1 CREDIT****10, 11, 12***Prerequisite: Approval of the instructor*

This technical theater course will teach students all aspects of “backstage” production such as: artistic and mechanical set drawing and design, shop tools, scenic materials, construction methods, stage lighting, and sound. The student will get hands on experience in each area by working on class projects and/ or the fall play production. Students must be able to work together in teams and have basic math skills. **NOTE:** This credit cannot be used to satisfy the District English graduation requirement.

BROADCAST NEWS WRITING**1 CREDIT****10, 11, 12***Prerequisite: Journalism with permission of instructor.*

The course will concentrate on broadcast news writing and include video and audio production based on student generated scripts for audio, video, powerpoint, podcasting and other electronic media. There will be outside of the classroom work required and students will have to have parental permission for outside activities, field trips, etc. **NOTE:** This credit cannot be used to satisfy the District English graduation requirement.

PHOTO JOURNALISM**1 CREDIT****9,10,11,12***Prerequisite: Art Studio*

This class will introduce students to the basics of digital photography. Instruction will center around four main areas: the artistic side of photography (including composure, setting, lighting, etc.), the use of digital cameras, the use of Photoshop and related computer programs, and photojournalism. Students will complete a photography portfolio as a semester project. Students will need to provide their own digital camera. **NOTE:** This credit cannot be used to satisfy the District English graduation requirement.

(ICCC) COMPOSITION I ENG-105**1 HIGH SCHOOL CREDIT****11, 12**

NCAA APPROVED

AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC

Prerequisite: Passed Composition II with a C- or better, or have passed Honors English I, II, and III (or AP); and have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

This course will be taken for both high school and college credit. The course focuses on the process of writing expressive and informative prose. It introduces library research skills and critical thinking skills. Informal speaking situations are part of required class work.

(ICCC) COMPOSITION II ENG-106**1 HIGH SCHOOL CREDIT****11, 12**

NCAA APPROVED

AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC

Prerequisite: Successful completion of ICCC English I with a C- or better. Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

This course will be taken for both high school and college credit. This course is continuation of ICCC English I with advanced work in library research techniques. The major focus is on persuasive and argumentative writing with an emphasis on critical thinking skills.

(ICCC) FUNDAMENTALS OF ORAL COMMUNICATION SPC-101**1 HIGH SCHOOL CREDIT****11, 12****AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC**

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT. Successful completion of ICCC Composition I.

This course is designed to develop the basic skills of oral communication by studying the process and theory of communication. Emphasis is placed on the preparation and delivery of individual and group presentations in various speaking situations.

FAMILY AND CONSUMER SCIENCES

A student who reaches a high level of competency in certain vocational courses is eligible to receive credit in a vocational program at specific community colleges. This is called "articulation". Articulation allows students to make a smooth transition from senior high to a community college program without experiencing duplication of learning. Courses that can be articulated are noted in the course description.

FOOD PREP 1 **1 CREDIT** **9, 10, 11, 12**

Prerequisite for Food Classes

Food Prep I emphasizes food preparation skills in each of the food pyramid groups. The units of study and labs are: measuring, microwave cooking, quick breads, pasta, grains, fruits and vegetables, cooking with milk and cheese, and meat cookery. The use and care of equipment is included along with management techniques.

MEAL MANAGEMENT **1 CREDIT** **9, 10, 11, 12**

Prerequisite: "C-" or better in Food Prep I

Meal Management includes the planning and preparation of meals, snacks, and entertainment foods that might be part of any family life. Nutrition for good health and weight control is studied as a basis for making food choices. Planning a family food budget, selecting appropriate tableware, and determining different methods of serving foods are also covered.

CREATIVITY WITH FOODS **1 CREDIT** **9, 10, 11, 12**

Prerequisite: "C-" or better in Food Prep I

The emphasis in Creativity With Foods is food for entertainment, ethnic foods, and foods for special events. Serving and selecting table service for such preparation will be included. The creative use of convenience foods, seasonings, and preparing foods as gifts will be explored. Students will have the opportunity to create original recipes and be introduced to careers in the food service industry.

CLOTHING I **1 CREDIT** **9, 10, 11, 12**

Want to be able to sew your clothes, make simple gifts apply and use the sewing machine when decorating your home some day? Clothing I can help. In Clothing I students explore the psychology of clothing choices, clothing consumerism and develop basic skills used in operating a sewing machine.

CLOTHING 2 **1 CREDIT** **9, 10, 11, 12**

Clothing 2 builds upon the concepts gained in Clothing 1. Consumer skills will be strengthened as students explore the areas of clothing selection, wardrobe planning and basic fabric construction. Construction skills will be strengthened as techniques are expanded and improved.

CHILD DEVELOPMENT **1 CREDIT** **9,10,11, 12**

Child Development is for those interested in careers in medicine, teaching, childcare, social work, psychology, recreation, and homemaking. Emphasis is placed on learning about the physical, social, emotional, and intellectual development of children. The responsibilities and satisfactions of parenting are explored. Decision making and planning for responsible parenthood is emphasized.

ADULT LIVING **1 CREDIT** **11, 12**

Get prepared for the "Real World" by taking a course that prepares students for practical life issues facing adults. These issues include future lifestyle choices, falling in love, mate selection, marriage and family. Many current issues, topics and trends of society today are explored as well.

HOUSING AND HOME INTERIORS **1 CREDIT** **10, 11, 12**

Housing and Home Interiors will provide much practical knowledge for those who intend to manage their own home someday or for those who intend to enter the housing field in architecture, interior design and other related fields. Housing options and alternatives, floor plan interpretation and evaluation, renting vs. home ownership, selection of furniture and furniture arrangement, selection of color schemes are some of the topics explored in this class.

THE SCHOOL AGE CHILD**1 CREDIT****11, 12**

Students requesting this course need to have a good school record for behavior and attendance (truancies). This course is designed for high school students to gain experience in working with children. Class members will serve as student assistants in K-6 classrooms in our district. Development of school age children will be explored as well as the special needs of special education and talented and gifted children. This course is recommended for students planning a career in education, counseling, social services, etc.

TEEN LIVING**1 CREDIT****9**

Teen Living is a course designed to prepare students for the personal, family, academic, and social challenges of the high school years. Emphasis is placed on exploring self-management skills that will enable students to become successful high school students. Some of these include decision making, goal setting, problem solving, and communication. Additional topics explored are relationships, dating, sexuality, and drugs and alcohol.

INTRODUCTION TO FOOD SERVICE**1 CREDIT****10, 11, 12**

Introduction to Food Service will provide opportunities to develop skills and knowledge in food service. Orientation to food service, work habits, human relations, safety, sanitation, equipment, food preparation, job application, and job interview will be the focus. This course is recommended for students interested in food preparation, service, and management for fast food, table service, bakery, nursing care, or hospital kitchens. This course is required for Food Service Education students.

**FOOD SERVICE EDUCATION
CLASSROOM INSTRUCTION****2 CREDITS****11(35 credits), 12****(1/2 CREDIT PER SEMESTER)**

Prerequisite: Introduction to Food Service, Committee Approval

Co-requisite: Food Service Education On-The-Job Training

The student must enroll for a minimum of two consecutive semesters in the same academic year, though four semesters provides a complete learning experience and meets college credit articulation requirements.

NOTE: Classroom meets zero hour (7:30 a.m.-8:15 a.m.)and students are released at 11:40 a.m. for on-the-job training.

Food Service Education Classroom Instruction will provide practical experiences in food preparation, service, and management. Units of study include: human relations, decision making/problem solving, management practices, sanitation, safety, commercial kitchen equipment, and food preparation. Approval for enrollment is based on an interest in food service, citizenship, and attendance.

The Cooperative Career and Technical Education Programs are providing an opportunity for Juniors to participate. The following requirements must be met to be eligible for the Programs.

- Juniors must have a **minimum of 35 credits prior to enrolling.**
 - Juniors may enroll in Coop Programs only at the beginning of the 3rd Semester.
- Junior enrollees must be employed prior to the first day of the third (3rd) semester. Cooperative Career and Technical Education Instructors may be of assistance.**

**FOOD SERVICE EDUCATION
ON-THE-JOB-TRAINING****6 CREDITS****11(35 credits), 12****(1 ½ CREDITS PER SEMESTER)**

Co-requisite: Food Service Education Classroom Instruction

The student must enroll for a minimum of two consecutive semesters in the same academic year, though four semesters provides a complete learning experience and meets college credit articulation requirements.

Food Service Education On-The-Job Training offers training at an approved site in fast food, table service, bakeries, nursing care, or hospital kitchens. Students will be able to apply techniques from the classroom to their on-the-job site. Students are evaluated by their on-the-job employer and the teacher.

FOREIGN LANGUAGE DEPARTMENT

FRENCH I **2 CREDITS** **9, 10, 11, 12**
NCAA APPROVED

French I will develop progressively the skills needed for communication in French. Emphasis is given to oral work and developing the skill to speak French needed for use in everyday situations. Basic French grammar structures will be introduced. During cultural awareness activities, students will play French card games, taste authentic foods, and learn about French countries around the world. Membership in French Club is encouraged.

FRENCH II **2 CREDITS** **9, 10, 11, 12**
NCAA APPROVED

Prerequisite: French I

French II is a continuation of French I. Oral/aural skills will be studied but broadened to study grammar structures with increased emphasis on reading and writing skills in French. Everyday expressions will be learned and students will act out real-life European experiences such as ordering food in a café or checking into a hotel. Membership in French Club is encouraged.

FRENCH III **2 CREDITS** **10, 11, 12**
NCAA APPROVED

Prerequisite: French II

French III increases the emphasis on reading and writing in French, with continued emphasis on maintaining oral/aural skills. Simplified reading will encourage students to comprehend and converse in French. More complicated grammar issues will be addressed and conversations in the past and the future tenses will be encouraged. Students will be exposed to a wide variety of cultures which exist in many of the Francophone countries. Membership in French Club is encouraged.

FRENCH IV **2 CREDITS** **10, 11, 12**
NCAA APPROVED

Prerequisite: French III

French IV is a continuation of oral/aural skills with reading and writing. Students will read a variety of literary excerpts by famous French authors and a shortened version of *The Phantom of the Opera*. Conversing in French during most of the class period will be encouraged. Membership in French Club is encouraged.

GERMAN I **2 CREDITS** **9, 10, 11, 12**
NCAA APPROVED

German I emphasizes conversational German. This is achieved by listening, repeating, and learning necessary vocabulary. Grammar is discussed when vital to understanding the material. Interesting aspects of the German culture are discussed in both English and German. Membership in German Club is encouraged.

GERMAN II **2 CREDITS** **9, 10, 11, 12**
NCAA APPROVED

Prerequisite: German I

German II is a continuation of German I with a continued emphasis on oral communication by gaining vocabulary and by learning more advanced sentence structures. Most readings deal with customs and traditions in Germany. Membership in German Club is encouraged.

GERMAN III **2 CREDITS** **10, 11, 12**
NCAA APPROVED

Prerequisite: German II

The emphasis in German III is to communicate in German. Readings and communication exercises are based on practical situations (restaurants, train stations, airports, shopping, hotels, post offices, etc.). Students completing German III with a "C" or better are eligible for the summer trip to Germany and Austria. Membership in German Club is encouraged.

GERMAN IV **2 CREDITS** **10, 11, 12**
NCAA APPROVED
Prerequisite: German III
German IV is a continuation of German III with the emphasis on communication in German without struggling. Reading and comprehension of German literature is stressed. Students completing German IV with a “C” or better are eligible for the summer trip to Germany and Austria. Membership in German Club is encouraged.

SPANISH I **2 CREDITS** **9, 10, 11, 12**
NCAA APPROVED
Spanish I students will study the basic structural patterns of the language and Hispanic culture. Throughout the course of the two semesters, a usable vocabulary is developed. Membership in the Spanish Club is encouraged. Specific goals for individual chapters are outlined in the curriculum map. Classroom work strives for a balance in written, oral, and listening practice to achieve mastery.

SPANISH II **2 CREDITS** **9, 10, 11, 12**
NCAA APPROVED
Prerequisite: Spanish I
Spanish II will increase proficiency in speaking, listening, reading, writing, and grammar, including exploration of verb forms. Membership in Spanish Club is encouraged. A prerequisite for Hispanic travels. In order to be successful in this course, it is strongly recommended that the student has achieved at least a “C” in Spanish I or consider retaking the course.

SPANISH III **2 CREDITS** **10, 11, 12**
NCAA APPROVED
Prerequisite: Spanish II
Spanish III reviews materials covered in Spanish II and strives for increased proficiency. New tenses and structures are learned. Membership in Spanish Club is encouraged. A prerequisite for Hispanic Travel. In order to be successful in this course, it is strongly recommended that the student has achieved at least a “C” in Spanish II or consider retaking the course.

SPANISH IV **2 CREDITS** **10, 11, 12**
NCAA APPROVED
Prerequisite: Spanish III
Spanish IV will increase Spanish III proficiency in speaking, reading, listening, and writing. Unaltered literature to teach conversation, literary analysis, appreciation of style, and distinct cultural outlooks will be addressed. Membership in Spanish Club is encouraged. A prerequisite for Hispanic travels. In order to be successful in this course, it is strongly recommended that the student has achieved at least a “C” in Spanish III or consider retaking the course.

HEALTH DEPARTMENT

HEALTH **1 CREDIT** **10**
Health provides students with the opportunity to know concepts related to personal health promotion and reducing health risks. During the course, students will be able to access valid health information and health promoting products and services. Students will analyze the influence of culture, media, and technology on their health. Communication skills, goal-setting, and decision-making skills are also a part of the health course. Successful passing of Health is required for graduation.

ADULT LIVING **1 CREDIT** **11, 12**
Adult Living is a course designed to prepare students for the realities of the adult world. Much emphasis is given to adult lifespan development, lifestyle choices, love, mate selection, marriage, and family life. Current issues, topics, trends, and new information about the world today are included in the course.

TEEN LIVING**1 CREDIT****9**

Teen Living is a course designed to prepare students for the personal, family, academic, and social challenges of the high school years. Emphasis is placed on exploring self-management skills that will enable students to become successful high school students. Some of these include decision making, goal setting, problem solving, and communication. Additional topics explored are relationships, dating, sexuality, and drugs and alcohol.

HEALTH CARE DEPARTMENT**HEALTH CARE FOUNDATIONS****1 CREDIT****9,10,11,12**

This course will expose students to careers in the Health Care Clusters/pathway. It will allow students to gain an understanding of fundamental knowledge and skills necessary for any who are considering a health related career. It will include brief units on both the technical and ethical aspects of this field. The course was designed to allow students considering in a health related career an opportunity to gain exposure to just what skills are required.

EXPLORING HEALTH RELATED CAREERS 1 CREDIT**9,10,11,12**

This course will provide students exposure to a wide variety of opportunities available to them in the health care industry. (e. g., nursing, therapy, dental care, administrative services, and lab technology) The course will provide students experiences in several of these occupational areas along with information and knowledge related to the health care industry as a whole. Students will also be provided information concerning post-secondary paths of study which could lead them into an area of interest.

(ICCC) NURSE AIDE (HSC-113)**1 HIGH SCHOOL CREDIT 11, 12****AND 3 SEMESTER HOURS COLLEGE CREDIT – ICCC**

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

This course provides students with a basic level of knowledge and skills to provide safe, effective resident care. This nurse aide course meets the training requirements of The Omnibus Budget Reconciliation Act of 1987 for aides working in nursing facilities and skilled nursing facilities.

(ICCC) INTRODUCTION TO HEALTH CARE (HSC-104)**1 HIGH SCHOOL CREDIT 11, 12****AND 2 SEMESTER HOURS COLLEGE CREDIT – ICCC**

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

Introduction to Health Care will provide students with a basic introduction to the health care delivery system with expected student competencies in professionalism, legal and ethical responsibilities, communication, understanding of patient health care needs and behaviors, safety and infection control. A significant amount of time will be spent in job shadowing experiences at health care facilities in the community. Students who successfully complete the course will receive one high school credit and two semester hours of college credit from Iowa Central Community College.

(ICCC) MEDICAL TERMINOLOGY (HSC-113)**1 HIGH SCHOOL CREDIT 11, 12****AND 2 SEMESTER HOURS COLLEGE CREDIT – ICCC**

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

Students enrolled in Medical Terminology will study terminology of the human body systems with an emphasis on recognition and functional vocabulary related to medical science. Course competencies focus on definitions, standard abbreviations, pronunciation, and correct spelling of medical terminology. Students will learn how health care professionals use medical terminology to communicate in the provision of health care services. Students who successfully complete the course will receive one high school credit and two semester hours of college credits from Iowa Central Community College.

(ICCC) INTEGRATED HUMAN ANATOMY AND PHYSIOLOGY 1 w/LAB (BIO-168) AND 4 SEMESTER HOURS COLLEGE CREDIT – ICCC **1 HIGH SCHOOL CREDIT** **11, 12**
Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT. Successful completion of Biology and Chemistry.

A study of the structure and function of the human body. This course is the first course of a two-semester sequence. The study begins at the cellular level and proceeds through the integumentary system, skeletal system, muscular system, the central, peripheral and autonomic nervous systems and the senses. A dissection of a cat will be included.

(ICCC) INTEGRATED HUMAN ANATOMY AND PHYSIOLOGY 2 w/LAB (BIO-173) AND 4 SEMESTER HOURS COLLEGE CREDIT – ICCC **1 HIGH SCHOOL CREDIT** **11, 12**
Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT. Integrated Human Anatomy and Physiology I.

The second course in a two-semester sequence. The study continues with the endocrine system, blood and cardiovascular systems, lymphatic system and immunity, respiratory system, digestive system and the reproductive system.

(ICCC) INTRODUCTION TO PSYCHOLOGY PSY-111 **1 HIGH SCHOOL CREDIT** **11, 12**
NCAA APPROVED **AND 3 SEMESTER HOURS COLLEGE CREDIT –ICCC**
Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

This course will be taken for both high school and college credit. Students must be high school juniors and seniors. Psychology is the study of human behavior and mental processes. Topics covered include: research methods, learning, memory and cognition, abnormal psychology, therapies and related developmental and biological factors that affect human behavior.

INDUSTRIAL TECHNOLOGY DEPARTMENT

A student who reaches a high level of competency in certain vocational courses is eligible to receive credit in a vocational program at specific community colleges. This is called “articulation”. Articulation allows students to make a smooth transition from senior high to a community college program without experiencing duplication of learning. Courses that can be articulated are noted in the course description.

SMALL ENGINE TECHNOLOGY **1 CREDIT** **9, 10, 11, 12**
Small Engine Technology provides operator knowledge of power equipment, and stresses proper care, servicing, and maintenance of small engines employed on power equipment. Students will learn to disassemble, clean, inspect, repair, replace, assemble, and adjust to proper running condition a small combustion engine. These engines are the types used in lawn mowers, roto tillers, motorcycles, etc. Students will learn proper shop safety, housekeeping, techniques using handtools, measuring instruments, service and operation manuals.

AUTOMOTIVE MAINTENANCE I **1 CREDIT** **10, 11, 12**
STUDENTS MUST HAVE A VALID IOWA DRIVERS LICENSE
Automotive Maintenance I is designed introduce students to the basics of car care. Students will explore automotive shop safety, sources of information, vehicle maintenance, steering and suspension systems, cooling systems, basic automotive electrical circuits, and base brakes. The class is divided approximately 50 percent classroom and 50 percent lab. Most lab activities are performed on student vehicles; however some modules may be used.

AUTOMOTIVE MAINTENANCE II **(Intro. to Transportation Technology AUT-108)** **1 HIGH SCHOOL CREDIT** **10, 11, 12**
AND 2 SEMESTER HOURS COLLEGE CREDIT-ICCC

Prerequisites: Small Engine Technology and Automotive Maintenance I with a C- or better
STUDENTS MUST HAVE A VALID IOWA DRIVERS LICENSE
Automotive Maintenance II is a continuation of Automotive Maintenance I. Emphasis will be placed on skill development as the students continue to study additional systems in the scope of automotive technology. Students will be introduced to careers in the automotive industry, environmental concerns, automotive tools: both general and

ELECTRICITY II**1 CREDIT****9, 10, 11,12***Prerequisite: Electricity I*

Electricity II expands the study from Electricity I. Additional experience is given for constructing and testing power supplies and amplifiers. Special devices including transformers, diodes, thyristors, field-effect-transistors, photo cells and digital gate circuits are studied. Understanding of electrical principles and their application to modern technology will also be studied. This course can be articulated for college credit at the community college level.

HOME REPAIR AND MAINTENANCE**1 CREDIT****9, 10, 11, 12**

This course is for students with no more than two credits in the Industrial Technology area. Home Repair and Maintenance provides opportunities to study and experience the variety of maintenance, repair, and constructional activities commonly performed in and around the home. Areas covered include electrical wiring, insulation, dry wall be gained through hands-on activities in selected areas. Basic Drafting knowledge is useful in completing projects in this course.

INTRODUCTION TO INDUSTRIAL TECHNOLOGY**1 CREDIT****9, 10**

Introduction to Industrial Technology is a one-semester course designed to introduce 9th and/or 10th grade students to vocational and technological skills as well as opportunities in the field of industrial technology. Students will receive insight in this field through shop exploration, outside resources and by participating in lab, project production and activities. Classroom experiences will focus on skills and knowledge required for various industrial occupations. Industrial areas included will be manufacturing, construction, communication, transportation, energy and power.

METALS**1 CREDIT****9, 10, 11, 12**

This course is highly recommended for those students who have an interest in welding or machining and have no experience in the metalworking area.

Metals provides an opportunity to gain experience in basic metal working skills relating to the manufacturing area. Students will learn about print reading; layout; cutting, bending and folding sheetmetal. There will be experience in bench metal work along with metal sand casting (foundry work) and forging. The safe use of hand tools and power machines will be taught. **MEASURING IS A VERY IMPORTANT PART OF THIS CLASS. KNOWING HOW TO READ A RULER IS VITAL FOR SUCCESS.**

MACHINE TOOLS (LEVEL I)**1 CREDIT****10, 11, 12**

Prerequisite: Metals ("C" or higher in Metals is recommended)

Machine Tools (Level I) will emphasize the safe and proper use of metal working machines (power operated equipment). The Metal Lathe is the main focus in level 1. However, the Vertical Mill, Grinders, Abrasive machines and the Drill Press will be used and taught. Students will learn about precision machining and measurement. Digital and dial calipers will be used; measuring will be to the thousandth of an inch and working to tolerances. Math skills are necessary! Students will complete a series of required lab exercises. Patience in doing work is necessary.

MACHINE TOOLS (LEVEL II)**1 CREDIT****11, 12**

Prerequisite: Machine Tools (Level I)

Machine Tool Level II is a continuation of the Level I course and builds upon it. There will be more in-depth study of the Milling Machine along with the Lathe and other machine tools. Computer Numerical Control (CNC) will be introduced with CNC machining as needed on individual student projects. Project work will be more advanced with the use of various materials; such as Stainless steel, Aluminum, Brass, Cast Iron and Plastic. There may be some additional project cost incurred by the student.

WELDING (LEVEL I)**1 CREDIT****10, 11, 12**

Metals is highly recommended prior to this course for those with no metalworking experience.

Welding 1 is designed to teach the student how to weld, it is not a class where projects are built. There are a number of lab exercises students will need to successfully weld. Welds will come from both Oxy-Acetylene (gas) and Shielded Metal Arc Welding (electric Arc). Flame cutting will be introduced as well as Brazing. Students will have daily classroom instruction as well as daily lab welding time. Students will need to tie the classroom instruction with the lab work, practice is essential in order to learn to weld.

**WELDING II (ICCC Beginning Welding WLD-122) 1 HIGH SCHOOL CREDIT 11, 12
AND 2 SEMESTER HOURS COLLEGE CREDIT –ICCC**

Prerequisite: Welding Level I (“C” grade or better recommended)

Welding Level II is a Dual Credit class with ICCC. All welding done in level II will be in electric arc. Welding will be done in Shielded Metal Arc (SMAW). In-depth instruction will come in Gas Metal Arc Welding (GMAW) and Gas Tungsten Arc Welding (GTAW). There will be daily classroom instruction as well as daily lab/ welding time. Students will need to complete a number of required weld exercises. To earn ICCC credit students need to have a “B” average in lab work as well as a “C” average on tests. Welding will be done on mild steel, stainless steel, and aluminum. There may be some time to build a small weld project, with additional cost.

WOODWORKING (LEVEL I) 1 CREDIT 9, 10, 11, 12

Woodworking (Level I) has two goals: 1) to introduce power tools and woodworking machines and 2) to apply commonly accepted woodworking skills. Two projects are required to be constructed for their instructional value. The Computerized Numerical Controlled (CNC) router will be introduced in this course.

WOODWORKING (LEVEL II) 2 CREDITS 10, 11, 12

Prerequisite: Woodworking (Level I)

Woodworking (Level II) involves the study of wood, related wood products, and the fabrication techniques used in production work. Emphasis is given to the construction of finished cabinetry. Students are guided through the construction of an advanced level project the first half of the class reviewing previously introduced skills. During the second half of the class students do a lathe turning and select an approved plan or make a plan meeting certain criteria. The Computerized Numerical Controlled (CNC) router is utilized in this course.

BUILDING TRADES 2 CREDITS 11, 12

Prerequisite: Woodworking (Level II) and Committee Approval

Building trades provides instruction and work experience in three phases of general construction: 1)basic carpentry, 2)brick and block masonry and 3)placing and finishing concrete. The correct and safe use of all construction tools and materials is stressed. Job opportunities and related occupational information will be explored. Major projects are selected by the school administration and worked on by the class, with typical construction principles and techniques emphasized. Drafting course(s) knowledge is useful in completing projects in this course.

WORLD OF WORK 1 CREDIT 11

This course is designed to provide students with the kind of information everyone needs regarding how to get a job, how to keep a job, and how to be successful on the job. Students will also be provided with the opportunity to explore occupations at various businesses in the community in which they have an interest. Students will need to arrange for transportation to their exploratory sites.

**CAREER INDUSTRIAL TRAINING 2 CREDITS 11(35 credits), 12
CLASSROOM INSTRUCTION (SKILLS USA) (1/2 CREDIT PER SEMESTER)**

Prerequisite: Committee Approval-World of Work strongly recommended

*Co-Requisite: Career Industrial Training On-The-Job Training or Health Occupations On-the-Job Training
The student must enroll for a minimum of two consecutive semesters in the same academic year, though four semesters are recommended for a complete learning experience.*

NOTE: Classroom meets zero hour (7:30 a.m.-8:15 a.m.)and students are released at 11:26 a.m. for on-the-job training.

Career Industrial Education is for students interested in learning a skilled occupation and developing those career skills that will assist them in securing future, full-time employment. The students will develop competencies in the following areas in the classroom setting; work-based learning, job and personal safety, teamwork, problem-solving and decision-making, job/personal success and satisfaction, income management, interpersonal relations, employer expectations, leadership, parliamentary procedure, managing family, work and citizenship roles. The SkillsUSA youth organization and its activities are an integral part of the Program. SkillsUSA provides the opportunities for leadership development and participation in state and national career skill contests.

The Cooperative Career and Technical Education Programs are an opportunity for Juniors to participate. The following requirements must be met to be eligible for the Programs.

- Juniors must have a **minimum of 35 credits prior to enrolling.**

ALGEBRA IB NCAA APPROVED (max. .5 credit) <i>Prerequisite: Algebra IA or Teacher Recommendation</i> Algebra IB is the second two semesters of a four-semester Algebra 1 program. 1B covers the topics: linear systems, exponents, polynomials, factoring, radicals, and problem solving. A calculator will be used.	2 CREDITS	9, 10, 11, 12
INFORMAL GEOMETRY NCAA APPROVED <i>Prerequisite: Algebra IA/IB or Algebra I</i> Informal Geometry is for those who desire a broader mathematics background but should not replace geometry for students who plan to attend college. Topics covered are: definitions, measurements and construction of geometric shapes and figures. No attention is given to formal proofs. A compass and protractor will be used.	1 CREDIT	9, 10, 11, 12
GEOMETRY NCAA APPROVED <i>Prerequisite: Algebra I or Informal Geometry.</i> Geometry is for those desiring to advance their background in mathematics and/or planning to attend college. Topics covered relate to geometric figures and their measurements, area, volume, and construction. Introduction to writing proofs, using trigonometry as well as continued use of algebra skills are included. A compass and protractor will be used.	2 CREDITS	9, 10, 11, 12
HONORS GEOMETRY NCAA APPROVED <i>Prerequisite: Algebra I.</i> Honors Geometry is recommended for students who have had accelerated Algebra in middle school or wish to study Geometry more in-depth. Geometry is for those desiring to advance their background in mathematics and/or planning to attend college. Topics covered relate to geometric figures and their measurements, area, volume, and construction. Introduction to writing proofs, using trigonometry as well as continued use of algebra skills are included. A compass and protractor will be used.	2 CREDITS	9, 10, 11, 12
ALGEBRA II NCAA APPROVED <i>Prerequisite: Geometry</i> Algebra II extends the work learned in Algebra and Geometry courses. Topics addressed are number systems, solving equations and inequalities, polynomials, powers and radicals, factoring, problem solving, logarithms, and trigonometry. A scientific calculator will be used.	2 CREDITS	9, 10, 11, 12
HONORS ALGEBRA II NCAA APPROVED <i>Prerequisite: Honors Geometry or Geometry teacher recommendation.</i> Honors Algebra II is for students wishing to continue in their studies of mathematics and to prepare them for Pre-Calculus. Algebra II extends the work learned in Algebra and Geometry courses. Topics addressed are number systems, solving equations and inequalities, polynomials, powers and radicals, factoring, problem solving, logarithms, and trigonometry. A scientific calculator will be used.	2 CREDITS	9, 10, 11, 12
TOPICS OF MATHEMATICS <i>Prerequisite: Algebra II</i> Topics of Mathematics is intended for college-bound students that do not intend to take Pre-Calculus. Topics covered include discrete mathematics, matrix logic, problem solving strategies, review of Algebra skills, organizing information, spatial visualization, basic trigonometry, basic probability and statistics.	2 CREDITS	11,12

TRIGONOMETRY **1 CREDIT** **10, 11, 12**
 NCAA APPROVED
Prerequisite: Geometry and Algebra II
 This course covers trig functions, graphs, identities, and applications. It is intended for those students who are not planning on taking Pre-Calculus, or who need more preparation prior to taking Pre-Calculus. A scientific calculator will be used.

PRE-CALCULUS MATHEMATICS **2 CREDITS** **10, 11, 12**
 NCAA APPROVED
Prerequisite: Geometry and either Honors Algebra II or Algebra II and Trigonometry
 Pre-Calculus Mathematics will prepare students for college mathematics and science courses. The three main areas discussed are analytic geometry, functions, and trigonometry. A graphing calculator is required.

PROBABILITY AND STATISTICS **1 CREDIT** **9, 10, 11, 12**
 NCAA APPROVED
Prerequisite: Algebra I
 Probability and Statistics will emphasize methods for analyzing and making inferences about data. Other topics covered are: permutations, combinations, probability, sampling techniques, correlation's. It is recommended that all students attending post-high school education take Probability and Statistics or the College Principles of Statistics I.

(ICCC) STATISTICS I MAT-156 **1 HIGH SCHOOL CREDIT** **11, 12**
NCAA APPROVED **AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC**
Prerequisite: Algebra II, Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.
 Required: a graphing calculator capable of statistical computations and graph displays.
 This is the first course in basic probability and statistics which includes the study of frequency distributions, measures of central tendency and dispersion, elements of statistical inference, regression and correlation.

(ICCC) STATISTICS II MAT-158 **1 HIGH SCHOOL CREDIT** **11, 12**
NCAA APPROVED **AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC**
Prerequisite: Passed College Principles of Statistics I. Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.
 Required: a graphing calculator capable of statistical computations and graph displays.
 This is the second course in the statistics sequence. It includes the study of additional topics in probability, correlation, regression, and statistical inference. The course also includes the topics of chi-square procedures, analysis of variance, non-parametric methods and statistical quality control.

INTRODUCTION TO COMPUTER PROGRAMMING **1 CREDIT** **10, 11, 12**
Recommended: Geometry. Introduction to Computer Programming will introduce computer fundamentals and specific programming language. Topics addressed are computer terminology, machine operation, algorithm and flow chart logic, languages, program design, problem solving, and applications of technology to society. Students with programming background may study advanced programming topics. This course does not apply to the six-credit mathematics graduation requirement.

ADVANCED PROGRAMMING TECHNIQUES **1 CREDIT** **10, 11, 12**
Prerequisite: Introduction to Computer Programming or Teacher Approval
 The student may extend their work with Visual Basic, study in C++ or Visual C++, prepare for the AP Computer Science Exam, or select some other area of computer science for study by arrangement with the instructor. This course does not apply to the six-credit mathematics graduation requirement.

(ICCC) CALCULUS I MAT-210 **2 HIGH SCHOOL CREDITS** **11, 12**
NCAA APPROVED **AND 4 SEMESTER HOURS COLLEGE CREDIT - ICC.**
Prerequisite: Pre-Calculus, Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.
 Calculus is for those students who have successfully completed the Pre-Calculus Mathematics course. Topics included in this course are limits, rate of change of a function, derivatives, and applications of derivatives, integration

and applications of integration. A thorough study of the calculus that applies to trigonometry, logarithmic, and exponential functions is also included. A graphing calculator is required.

(ICCC) CALCULUS II MAT-216

2 HIGH SCHOOL CREDITS 11,12

NCAA APPROVED

AND 4 SEMESTER HOURS COLLEGE CREDIT – ICC

Prerequisite: Passed College Calculus I and scored at the minimum placement level on one of the following tests: ITED, ASSET, Compass, or ACT.

This is the second course in the Calculus sequence. It includes the study of techniques and applications of integration, infinite series, polar equations and graphs, and vectors in two and three dimensions.

Required: a graphing calculator capable of at least numeric computation of integration and differentiation.

MUSIC DEPARTMENT

All performance music courses will meet in the same block. A student can enroll in any or all of the music courses offered. Students are strongly encouraged to consider taking at least two. Regardless of the number of courses taken, students who enroll in the music block will receive one credit per semester with a maximum of four credits per year.

BAND

9, 10, 11, 12

Band is open to all interested students. At the beginning of the school year the band is called the Dodger Marching Band and it meets 4th block and every Thursday evening during the marching season. Techniques of good tone production, intonation, rhythm and musicianship are stressed. Lessons are a course expectation and are scheduled on a rotating schedule of a students class schedule. The marching band performs at home football games, an out-of-town trip, marching contests, and selected activities. After marching season ends, band students are placed in the symphonic or wind ensemble on the basis of an audition. These two bands give concerts during the remainder of the year at assemblies at Senior High and the middle schools, at exchange concerts with other school districts, for service and civic organizations, and a Springtasia event. Band students are placed in one of the two pep bands, which perform at athletic events. Band students may audition for the Iowa All State Band and other honor bands as well as participate in state large group contests and sate solo and ensemble contests. Band students may also elect to participate in: jazz band, which studies and performs music in the jazz and rock idioms. Contests, festivals, school-related functions, and an annual Perspectives in Jazz concert are opportunities for the jazz band.

ORCHESTRA

9, 10, 11, 12

Orchestra is for string players and a selected number of wind and percussion players. The orchestra performs at concerts and assemblies, provides programs for community organizations, plays for the annual musical, auditions for All-State Orchestra, and participates in festivals, state solo and ensemble contests in the spring. Lessons are required and are scheduled on a rotating basis during the school day.

ACADEMY CHORALE 1 (1st Semester Only) 1 CREDIT

9, 10, 11, 12

Prerequisite: Placement audition and instructor approval

Academy Chorale is open to students in grades 9 through 12. It meets for one half of one block every day. Rehearsals and assignments will focus on fundamentals of choral singing, which include, but are not limited to, reading music, solfege, sight-reading, identifying basic musical notation, identifying major and minor keys, breathing techniques, concert etiquette, and beginning musicology. Additionally, students in Academy Chorale will be expected to participate in a concert, usually in the middle of October, in which they will perform the literature they have learned during class.

Students may only participate in Academy Chorale after an audition with and approval from the instructor. Students are expected to attend class every day. Since Academy Chorale is performance-minded, attendance is tantamount to a student's successful completion of the course. A student who is absent eight or more times may receive a failing grade.

ACADEMY CHORALE 2 (2nd Semester Only) 1 CREDIT

9, 10, 11, 12

Prerequisite: Successful completion of Academy Chorale 1 AND instructor approval

Academy Chorale 2 is a curricular continuation of Academy Chorale 1, and it is available to all students who both successfully complete Academy Chorale 1 AND receive instructor approval. Students who receive an incomplete or failing grade in Academy Chorale 1 will not be allowed to enroll.

Students are expected to attend class every day. Since Academy Chorale is performance-minded, attendance is tantamount to a student's successful completion of the course. A student who is absent eight or more times may receive a failing grade.

ACADEMY CHORALE 3 (3rd and 4th Semesters) 2 CREDITS 9, 10, 11, 12

Prerequisite: Successful completion of Academy Chorale 1 and 2 AND instructor approval

Academy Chorale 3 is a curricular continuation of Academy Chorale 2, and it is available to all students who both successfully complete Academy Chorale 1 and 2 AND receive instructor approval. Students who receive an incomplete or failing grade in Academy Chorale 1 or 2 will not be allowed to enroll.

Students are expected to attend class every day. Since Academy Chorale is performance-minded, attendance is tantamount to a student's successful completion of the course. A student who is absent eight or more times may receive a failing grade.

A CAPPELLA CHOIR 4 CREDITS 10, 11, 12

Prerequisites: Successful completion of Academy Chorale 3, placement audition, and instructor approval

A Cappella Choir is open to students in grades 10 through 12. It is composed of auditioned students who meet proficiency standards in vocal quality and academic music knowledge and who display a vested interest in studying challenging choral literature and concepts. Students in A Cappella Choir will study score annotation, vocal pedagogy, musical aesthetics and philosophy, and intermediate musicology.

A Cappella Choir performs at four concerts during the year, one of which being the annual musical. All A Cappella Choir students are expected to participate in the musical and to perform in all three concerts. Failure to perform will result in the student failing the course.

Students are expected to attend class every day. Since A Cappella Choir is performance-minded, attendance is tantamount to a student's successful completion of the course. A student who is absent eight or more times may receive a failing grade.

WOMEN'S CHOIR 4 CREDITS 9

Prerequisite: Placement audition and instructor approval

Women's Choir is open to female students in grade 9. It meets for one half of one block every day. Rehearsals and assignments will focus on fundamentals of choral singing, which include, but are not limited to, reading music, solfege, sight-reading, identifying basic musical notation, identifying major and minor keys, breathing techniques, concert etiquette, and beginning musicology. Additionally, students in Women's Choir will be expected to participate in a concert, usually in the middle of October, in which they will perform the literature they have learned during class.

Students may only participate in Academy Chorale after an audition with and approval from the instructor. Students are expected to attend class every day. Since Academy Chorale is performance-minded, attendance is tantamount to a student's successful completion of the course. A student who is absent eight or more times may receive a failing grade.

PHYSICAL EDUCATION

All physically able students are required to participate in physical education activities for a minimum of one semester per year during their enrollment at Senior High. Students may elect to enroll in additional activities during the school year to earn elective credit. A grade 12 student may be excused from the requirement if the parent/guardian of the student requests in writing that the student be excused. To be excused, the student must be seeking to enroll in academic courses not otherwise available to the student. Using the above reason, a grade 12 student may be excused in each of the semesters in which the student is enrolled.

PHYSICAL EDUCATION 9**1 CREDIT****9**

Freshman Physical Education will place an emphasis on physical fitness. Each student will be exposed to the use of heart monitors and technology to monitor fitness activities. Students will participate in a variety of team activities, which may include soccer, softball, volleyball, aquatics, pickleball, touch football, basketball and other fitness activities. Students will begin to develop a fitness portfolio, which will be used in physical education classes throughout their high school career. Physical Education 9 must be taken before other Physical Education classes, and all 9th graders will take Physical Education 9.

PHYSICAL EDUCATION 10**1 CREDIT****10**

Sophomore Physical Education will continue the emphasis on physical fitness and use of heart monitors and technology to monitor fitness activities. Activities may include a more advanced skill development in fitness activities including soccer, softball, volleyball, aquatics, pickleball, touch football, and basketball. All 10th grade students will take Physical Education 10.

PHYSICAL EDUCATION 11-12**1 CREDIT****11,12**

Junior/Senior Physical Education will consist of a variety of co-educational activities designed to promote good health and fitness, to develop recreational interests and non-competitive activities. Activities may include but are not limited to bowling, golf, ping pong, tennis, badminton, softball, volleyball, aquatics, recreational games, power walking.

LIFEGUARD TRAINING**(American Red Cross)****1 CREDIT****9, 10, 11, 12**

Prerequisite: 15 years old by the end of the course, tread water for 2 minutes using legs only, 500 yard swim using the front crawl, breast stroke and side stroke continuously, and submerge to a minimum depth of 7 feet, retrieve a 10 pound brick and return to surface. Prerequisites must be met prior to enrolling in the class.

To successfully pass and become an American Red Cross certified lifeguard a student must pass all skills tests and then score at least an eighty- percent on the written final. You will become certified in CPR for the Professional Rescuer, as well as First Aid. A student may fail Lifeguard Training and still receive Physical Education credit if all of the requirements for Physical Education class have been met. Students wishing to take subsequent classes must obtain instructor approval prior to registering for the class. There is a \$35.00 American Red Cross Fee for the books and materials used in the class.

WEIGHT TRAINING**1 CREDIT****10, 11, 12**

This is a course set up for the student to have the opportunity to develop and expand their weight training abilities. The class will encourage students to work within a program to develop physically and emotionally. Emphasis will be placed on weight training, but there will be portions dealing with flexibility and cardiovascular movements. The weight training class will count towards the P.E requirement for juniors and seniors.

ADAPTIVE PHYSICAL EDUCATION**1 CREDIT****9,10,11,12**

Enrollment in this course is based on a student's Individualized Educational Plan.

SCIENCE DEPARTMENT**INTRODUCTORY PHYSICAL SCIENCE****2 CREDITS****9, 10, 11, 12****NCAA APPROVED**

Introduction to Physical Science is a study of the basic principles of chemistry and physics. Major topics include properties of materials, atoms and molecules, heat, energy, and motion. *Basic proficiency in mathematics is highly recommended.* It is designed for students that have an interest in the physical sciences and can be used to prepare those interested in pursuing high school physics and/or chemistry.

GENERAL SCIENCE**2 CREDITS****9, 10, 11, 12****NCAA APPROVED**

General Science is a course that includes an overview of topics from various fields of Science. Content will include the basic principles of geology including minerals, rocks, landforms, topography, weathering, erosion, and streams.

Geology is a study of the structure of the earth. Major topics are geologic time, structural geology, glaciers, erosion, tectonics, landforms, and earth history with emphasis on local geology.

BOTANY **1 CREDIT** **9, 10, 11, 12**

NCAA APPROVED

Botany is a study of the plant kingdom. Major topics include plant structure and function, factors, which effect plant growth, plant propagation, and local plant identification. Related areas such as gardening, lawn care, and agriculture will also be discussed. The green house will be used extensively for labs.

ENVIRONMENTAL ECOLOGY **1 CREDIT** **10, 11, 12**

NCAA APPROVED

Prerequisite: Biology

Through a variety of in-class simulation activities and outdoor activities, the student is exposed to the basics of ecology. Emphasis is placed on ecosystems dynamics, succession, food chains and webs, natural cycles, environmental limiting factors, conservation, predatory prey relationships, population estimates and studies.

ENVIRONMENTAL ISSUES **1 CREDIT** **10, 11, 12**

NCAA APPROVED

Prerequisite: Biology, (Ecology is strongly recommended)

Environmental Issues deals with current ecological problems. Issues studied include: water pollution, wildlife management, hazardous wastes, solid waste management, acid rain, global warming, ozone depletion, energy use, and human population growth.

CHEMISTRY I **2 CREDITS** **9, 10, 11, 12**

NCAA APPROVED

Prerequisite: Algebra IB or Algebra I

Chemistry I covers basic inorganic chemistry with an emphasis on reactions and elementary theory. This course is necessary for students who expect to major in a science-related field in college and recommended for anyone with a strong interest in science.

ADVANCED PLACEMENT CHEMISTRY **3 CREDITS** **10, 11, 12**

NCAA APPROVED

Prerequisite: Chemistry I

Advanced Placement Chemistry expands on the topics covered in Chemistry I with emphasis placed on bonding, equilibrium, and energy changes in chemical reactions. Students completing this course may choose to take an advanced placement exam to possibly earn college credit (for example: a “three” or above on the AP exam earns credit at Iowa Central). It is intended for those who expect to major in a science-related field in college.

PHYSICS **2 CREDITS** **10, 11, 12**

NCAA APPROVED

Prerequisite: Algebra 2

Physics is the science of matter and its motion. Topics covered include motion, force, energy, momentum, waves, electricity, and light. This course is necessary for students who expect to study a science-related field and recommended for anyone with an interest in science.

ADVANCED PLACEMENT PHYSICS **3 CREDITS** **11, 12**

NCAA APPROVED

Prerequisite: Algebra II

Advanced Placement Physics expands on the topics covered in Physics. Physics is recommended to be taken before AP Physics, but it is not necessary. The topics covered include Newtonian mechanics, fluid mechanics and thermal physics, electricity and magnetism, waves and optics, and atomic/nuclear physics. This course provides essential background for those who plan to study science and engineering.

(ICCC) COLLEGE PHYSICS I (PHY-161) 2 HIGH SCHOOL CREDITS 11,12
NCAA APPROVED **AND 4 SEMESTER HOURS OF COLLEGE CREDIT-ICCC**
Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT. Algebra II

This course provides a general background for those who do not plan advanced study in physics or engineering. Topics covered include elementary mechanics, including kinematics and dynamics of particles; work and energy; linear and angular momentum; rotational motion; oscillations; waves and gravitation. This course satisfies a general education requirement in the Math/Science area.

(ICCC) COLLEGE PHYSICS II (PHY-172) 2 HIGH SCHOOL CREDITS 11,12
NCAA APPROVED **AND 4 SEMESTER HOURS OF COLLEGE CREDIT-ICCC**
Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT, College General Physics I

This course is a continuation of PHY-161 Physics I. Topics covered include heat, thermodynamics, kinetic theory of gases; electric forces and fields; direct and alternating currents; magnetic forces and fields; ray optics and image formation; and atomic structure.

INTRODUCTION TO FORENSIC SCIENCE 1 CREDIT 10, 11, 12
NCAA APPROVED

Prerequisite: IPS, or Chemistry

Introduction to Forensic Science is a highly lab oriented course that will both challenge and stimulate the mystery sleuth in you. Principles and techniques that identify or compare physical evidence of a crime are investigated. Topics of study include: fingerprinting, hair and fiber analysis, document analysis, serology, firearm identification, DNA fingerprinting, toxicology, drug analysis, and more. Course will emphasize laboratory skills and reporting.

SOCIAL STUDIES DEPARTMENT

The Social Studies staff believes required courses should be taught using methods and materials, which insure students, have a successful and challenging experience. To do this, the staff has organized classes in the required World Studies, American History and American Government courses to meet such needs. **Honors Class:** This type of class is organized to meet the needs of students who read widely, can compact information and demonstrate high level thinking and problem solving skills. Individual research projects and more extensive writing will be done. **Regular Class (A):** The reading materials and assignments used are at the typical grade level of understanding.

SELF-SELECT COURSES

Students will self-select the type of class they desire in the required course list. This should be done on the basis of what they believe best meets their needs. The hope is students will choose the classes, which reflect one's highest level of potential performance in terms of perceived skills and abilities. Students are encouraged to discuss their choices with parents, teachers and counselors. The social studies staff recommends that students that have earned an 'A' in previous social studies classes strongly consider taking the honors course.

WORLD STUDIES HONORS, A 2 CREDITS 9

This course emphasizes the development of basic learning, thinking, writing and research skills to understand the interdependence of modern world history. Students will survey the geography, major religions or philosophies, culture, and history; as well as the economic, political, social and intellectual traditions of the world's major cultures. Areas of focus are Europe, the Middle East, the Far East, Latin America, Russia, Africa, South/Southeast Asia, Australia and Oceania, and North America. The course will include with an investigation of contemporary international concerns.

AMERICAN HISTORY HONORS, A 2 CREDITS 10

NCAA APPROVED

American History emphasizes history from the end of the Civil War period (around 1877) to the present. The major themes include: the American people, the development of American democracy, Industrialized America, American foreign policy and recent history.

AMERICAN GOVERNMENT HONORS, A 1 CREDIT 11
NCAA APPROVED

American Government will consider the implications and responsibilities of effective citizenship. The Constitution, the Federal System, Political Parties and Elections, and State and Local Government will be studied. In addition to formal knowledge, students will be expected to internalize democratic processes and values and be better able to justify citizen participation in government decision-making.

WESTERN CIVILIZATION I 1 HIGH SCHOOL CREDIT 10, 11, 12
NCAA APPROVED

Western Civilization I is a study of western society from Prehistory to 1500 A.D. The course revolves around major themes in the early story of Western Society emphasizing such themes as our heritage from the Greeks, Romans, feudalism and castles, the revival of Democracy, Renaissance, and Reformation. This course will be taken for high school credit only. Western Civilization I and II are not sequential courses and therefore can be taken in any order.

WESTERN CIVILIZATION II 1 HIGH SCHOOL CREDIT 10, 11, 12
NCAA APPROVED

Western Civilization II is a study of the Kings through the French Revolution to the present. Emphasis will be given to the political, social, and economic ideas, which shaped and changed Western Civilization. The changes brought upon the Western World by the forces of absolutism, revolution, representative democracy, and nationalism, will be studied. This course will be taken for high school credit only. Western Civilization I and II are not sequential courses and therefore can be taken in any order.

ICCC Western Civilization I and II /Advanced Placement Language and Composition 11,12
3 HIGH SCHOOL SOCIAL STUDIES CREDITS
3 HIGH SCHOOL ENGLISH CREDITS
AND 8 SEMESTER HOURS COLLEGE CREDIT-ICCC

Prerequisite: English II and Instructor Approval

This course is a composite of two college level survey courses. Students are expected to read, write, and discuss challenging texts. Students will also be expected to synthesize from a variety of primary and secondary source materials from a variety of mediums spanning multiple time periods. This class will be co – taught; students will receive a total of 8 credit hours from ICCC, 3 semesters of FDSH social studies and 3 semesters of FDSH English credit. All students will be expected to take the National AP Language and Composition and the AP European History exam upon completion of the course. Successful completion of these exams may qualify students for additional college credit at the discretion of participating institutions.

(ICCC) WESTERN CIVILIZATION: ANCIENT TO EARLY MODERN HIS-112 10, 11, 12
NCAA APPROVED **1 HIGH SCHOOL CREDIT**

AND 4 SEMESTER HOURS COLLEGE CREDIT-ICCC

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

This course will be taken for both high school and college credit. Students must be high school juniors, seniors or must be identified as a tenth grade TAG student to be eligible. The course revolves around major themes in the early story of Western Society, emphasizing such themes as our heritage from the Greeks, Romans, feudalism and castles, the revival of Democracy, Renaissance, Reformation, Age of Kings and Rise of Nations through the Age of Enlightenment.

(ICCC) WESTERN CIVILIZATION: EARLY MODERN TO PRESENT HIS-113 10, 11, 12
NCAA APPROVED **1 HIGH SCHOOL CREDIT**

AND 4 SEMESTER HOURS COLLEGE CREDIT-ICCC

Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.

This course will be taken for both high school and college credit. Students must be high school juniors, seniors or must be identified as a tenth grade TAG student to be eligible. This course covers the French Revolution and Napoleon, political, social and economic events, revolution, world wars, and nation-building to the present (1815).

ADVANCED PLACEMENT AMERICAN HISTORY**(Colonial Settlements to the Present)****3 CREDITS****10,11, 12***Prerequisite: World Studies*

NCAA APPROVED

Advanced Placement American History covers colonial time to present. It will provide one with the analytic skills and factual knowledge necessary to deal with the problems and materials in American History. The course prepares one for college courses by making demands upon them equivalent to those of full year introductory college courses. Students should learn to assess historical materials, their relevance to a given interpretive problem, their reliability and their importance, and to weigh the evidence and interpretations presented in historical scholarship. Advanced Placement American History should thus develop a student's skill necessary to arrive at conclusions on the basis of an informed judgement and to present reasons and evidence clearly and persuasively in essay format. At the conclusion of the course, students may elect to take an exam, which may qualify them for college credit. To fulfill the American History graduation requirement with AP American History, a student must pass all three semesters.

COMTEMPORARY WORLD ISSUES**1 CREDIT****10, 11, 12**

NCAA APPROVED

Contemporary World Issues is the study of problems and conflicts facing nations and groups today. Topics addressed may include: Russia and Eastern Europe, the Middle East tinderbox, terrorism, and the problems between religions, Africa, China, and others in the 20th Century, post WWII era.

ECONOMICS**1 CREDIT****11, 12**

NCAA APPROVED

Economics develops an understanding of how our economy works, how prices are determined, and how our country fits into the world economy. Areas of study are: 1)Micro Economics-units on demand, supply, price determination, costs, profits, and market workings; and 2)Macro Economics-the study of inflation, unemployment, gross national product, monetary and fiscal policies and economic growth. This course is recommended for students planning to attend college.

ISSUES IN AMERICAN AFFAIRS**1 CREDIT****10, 11, 12**

NCAA APPROVED

Issues in American Affairs is a study of issues and conflicts challenging America. Topics covered may include issues on capital punishment, AIDS, drug abuse, child abuse, abortion, and gun control as well as the nature of American culture, social change, and democracy. The course will allow students the opportunity to analyze, through research and discussion, various issues and topics.

ETHNIC STUDIES**1 CREDIT****10, 11, 12**

NCAA APPROVED

Ethnic Studies is a study of the culture of the African American, Native American, Hispanic American, and Asian American. The course will examine cultural characteristics and patterns in contemporary society. It will explore reasons for the problems of yesterday. Each culture will be examined in terms of contributions, diversity, and common cultural characteristics.

WORLD GEOGRAPHY**1 CREDIT****9, 10, 11, 12**

NCAA APPROVED

World Geography is a study of the peoples of the world, their lifestyles and the physical surroundings in which they live. The course will emphasize culture similarities and differences of people as viewed in their geographic settings.

INTRODUCTION TO PSYCHOLOGY**1 CREDIT****11, 12**

NCAA APPROVED

Introduction to Psychology is a study of the science of human behavior and mental processes. Topics covered include: experimentation and research methods, learning, memory and thought, perception, how the body impacts behavior and disturbance and breakdown.

SOCIAL PSYCHOLOGY**1 CREDIT****11, 12**

NCAA APPROVED

Prerequisite: Introduction to Psychology

Social Psychology is a study of the science of how groups influence an individual's behavior, how an individual influences a group, and how members of groups can shape their behavior to make a better life. Topics in this include: social perception, social communication, and language, self-identity, roles, relationships and territoriality.

APPLIED PERSONAL PSYCHOLOGY**1 CREDIT****11, 12***Prerequisite: Introduction to Psychology*

Applied Personal Psychology allows students to directly apply psychological knowledge and theories to their personal life experiences. Students will investigate how research in the psychological areas of brain research, sensation and perception, states of consciousness, motivation and emotion, personality theory and development, psychological testing (intelligence, aptitudes, personality), stress and conflict management, and mental health relate directly to their lives.

(ICCC) INTRODUCTION TO PSYCHOLOGY PSY-111 1 HIGH SCHOOL CREDIT**11, 12**

NCAA APPROVED

AND 3 SEMESTER HOURS COLLEGE CREDIT –ICCC*Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.*

This course will be taken for both high school and college credit. Students must be high school juniors and seniors. Psychology is the study of human behavior and mental processes. Topics covered include: research methods, learning, memory and cognition, abnormal psychology, therapies and related developmental and biological factors that affect human behavior.

SOCIOLOGY**1 CREDIT****10, 11, 12**

NCAA APPROVED

Sociology is a study of human groups and behavior. Students will investigate human relationships, their causes and consequences. Topics will include culture/variations, social structure, socialization, groups and formal organizations, the organization of society, and selected social problems (e.g. crime, deviance, and prison systems).

(ICCC) INTRODUCTION TO CRIMINAL JUSTICE (CRJ100) 1 HIGH SCHOOL CREDIT**11, 12****AND 3 SEMESTER HOURS COLLEGE CREDIT-ICCC***Prerequisite: Student must have scored at the minimum placement level on one of the following tests: ITED, ASSET, COMPASS, or ACT.*

This course examines the criminal justice system and those areas closely related to it. Emphasis is on the relationships among law enforcement, adult and juvenile corrections, courts and private security and correctional agencies.

SPECIAL EDUCATION DEPARTMENT

The Fort Dodge Community School District will serve all students identified as needing special education services under the Individuals with Disabilities Education Act (I.D.E.A.), enabling them to become productive citizens.

Special education services will:

- be provided as described in the student's individual education plan
- be provided in the least restrictive environment appropriate to meet the student's needs
- be provided when adaptations and accommodations of the general education environment is not enough to meet the needs of the identified student
- teach social skills and life skills
- provide for transition planning at all levels.

Special education services will be provided in all buildings within the Fort Dodge Community School District. Services may be provided in the general education classroom, special education classroom, special sites within the district, or the student's home, as determined by the IEP team. Special education services will be configured and provided to ensure students are educated with nondisabled peers to the extent specified in their IEPs. Individual needs will be assessed and services provided to meet specified goals and objectives.

Special Education programming in the Fort Dodge Community School District will be provided through one of three service levels with the ultimate goal of providing special education services in the least restrictive environment.

LEVEL 1: A level of service that provides specially designed instruction for a part of the educational program. These instructional services are often provided in the general education setting. This level of service includes needed modifications and accommodations to the general education program. Level 1 services may also require the provision of assistive devices or AEA support services.

LEVEL II: A level of service that provides specially designed instruction for a majority of the educational program. These instructional services may be provided in the general education setting or special education setting. Instruction may center around academics, functional skills: vocational/ community based skills, recreation/ leisure skills, and/ or social/ emotional development. This level of service also includes substantial modifications, adaptations, and special education accommodations to the general education program. Level II services may also require the provision of assistive devices or AEA support services.

LEVEL III: A level of service that provides specially designed instruction for most or all of the education program. These instructional services may be provided in the general education setting or special education setting. This level of service requires extensive redesign of curriculum and substantial modification of instructional techniques, strategies and materials. Instruction may center around academics, functional skills: vocational/ community based skills, recreation/ leisure skills, and/ or social/ emotional development. Level III services may also require the provision of assistive devices, additional personnel, or AEA support services.

TALENTED AND GIFTED PROGRAMS

At Fort Dodge Senior High, able students have opportunities to select from a variety of courses that are both challenging and interesting. To meet the needs of these learners, Honors classes are available in the Math, Social Studies and English departments. The course descriptions for these classes can be found under the respective department headings. College courses are offered on our campus through Iowa Central Community College and can be found in the section of this guide marked "College Courses." Advanced Placement courses provide students with the opportunity to take college level courses and earn additional college credit. Currently there are five AP classes available with FDSH instructors: AP Chemistry, AP English Literature and Composition, and AP American History, as well as preparation for the AP Calculus or AP Physics exams. Please refer to the individual departments for descriptions and prerequisites to these classes. Iowa's Online AP Academy, Guided Independent Study, or Iowa Central CC web courses provide online learning options. For Advanced Placement and online opportunities, see the section of this guide marked "Advanced Placement," the TAG Advisor or your Counselor. When necessary, research-based, flexible programming such as curriculum compacting, independent study, or mentorships are used when considering the individual needs of the high ability learner.

COOPERATIVE CAREER & TECHNICAL EDUCATION

A student who reaches a high level of competency in certain vocational courses is eligible to receive credit in a vocational program at specific community colleges. This is called "articulation". Articulation allows students to make a smooth transition from senior high to a community college program without experiencing duplication of learning. Courses that can be articulated are noted in the course description.

RETAIL SALES

1 CREDIT

10, 11, 12

The Retail Sales course is the prerequisite requirement for the Marketing Education Program and should be taken prior to the student's senior year.

In this course you will learn about selling and customer service. You will learn to determine the clients needs and wants, how they think and then to respond to the customer through planned, personalized communication that influences purchase decisions. Focus is on the steps of the selling process to better sell products and services, ideas and you.

WORLD OF WORK

1 CREDIT

11

This course is designed to provide students with the kind of information everyone needs regarding how to get a job, how to keep a job, and how to be successful on the job. Students will also be provided with the opportunity to explore occupations at various businesses in the community in which they have an interest. Students will need to arrange for transportation to their exploratory sites.

MARKETING I

1 CREDIT

10, 11, 12

Recommended strongly to those students interested in the Marketing Education Program and business related careers.

In this course, you will learn what marketing is and how it helps connect businesses of all kinds to their customers. You will develop the skills of marketing to be used in any career path that you choose to follow. These include Marketing-Information Management, Selling, Pricing, Product/Service Management, Promotion, Financing, and Distribution. You will learn about the above functions of a well-managed business, plus the Foundations of Businesses: Communication and Interpersonal Skills; Business, Management and Entrepreneurship; Economics, and Professional Development (known as life-long learning).

ENTREPRENEURSHIP AND SMALL BUSINESS MANAGEMENT

1 CREDIT

11, 12

This course is strongly recommended to Marketing Education Program Students. Suggested supplemental coursework: Computer Applications, Marketing I, Retail Sales, Accounting and Introduction to Business.

In this course, you will learn what it takes to own and operate your own business or manage a business for the owners. You will learn everything from how to create the business, put the ideas onto paper, and then make your proposal to the investors.

MARKETING EDUCATION PROGRAM CLASSROOM INSTRUCTION

2 CREDITS

11(35 credits), 12

(1/2 CREDITS PER SEMESTER)

Prerequisite: Retail Sales, Marketing I or Entrepreneurship and Committee Approval required. World of Work, Marketing I, Entrepreneurship, Accounting, and Computer Applications are strongly recommended as supporting courses.

Co-requisite: Marketing Education On-the-Job Training

All students must enroll for a minimum of two consecutive semesters in the same academic year, though four semesters provides a complete learning experience and meets college credit articulation requirements.

NOTE: Classroom meets zero hour (7:30 a.m.-8:15 a.m.)and students are released at 11:26 a.m. for on-the-job training.

A yearlong course, this program is designed to give the future Business or Marketing Major a head start in the business world by completing a successful work-based learning experience. The three components of the course: Classroom, Job, and the DECA association; give the student an opportunity to build strong communication and human relations skills, a basic business/marketing and work ethic foundation and practice these skills on-the-job. DECA membership and participation at the local, state and national levels is required and provides leadership activities, competitive experiences with scholarship and travel opportunities, meeting and interacting with other high school students from Iowa, the Midwest, the United States and Canada. Selection for the program is based on career interest, personal commitment, school attendance and the student/parent interview. Membership in DECA as an extra-curricular school activity during the student's early high school years is a plus.

The Cooperative Career and Technical Education Programs are piloting an opportunity for Juniors to participate. The following requirements must be met to be eligible for the Programs.

- Juniors must have a **minimum of 35 credits prior to enrolling.**
- Juniors may enroll in Coop Programs only at the beginning of the 3rd Semester.
- Junior enrollees must be employed prior to the first day of the third (3rd) semester. Cooperative Career and Technical Education Instructors may be of assistance.

MARKETING EDUCATION PROGRAM **6 CREDITS** **11(35 credits), 12**
ON-THE-JOB TRAINING **(1 ½ PER SEMESTER)**

Prerequisite: Marketing Education Classroom acceptance.

Co-requisite: Marketing Education Classroom.

Employment placement related to the student's career interests in business and marketing and the experiences to be gained are the goals for the on-the-job portion of the Marketing Cooperative Education Program. Through this work-based learning experience students apply what is presented in theory in the classroom to action on-the-job. Their sponsoring employer and the program coordinator evaluate and grade the student. This course can be articulated for college credit at the community college level. The student must enroll for a minimum of two consecutive semesters in the same academic year, however, the full four semesters are strongly recommended by the high school, college(s) and the sponsoring employers.

INTRODUCTION TO FOOD SERVICE **1 CREDIT** **10, 11, 12**

Introduction to Food Service will provide opportunities to develop skills and knowledge in food service. Orientation to food service, work habits, human relations, safety, sanitation, equipment, food preparation, job application, and job interview will be the focus. This course is recommended for students interested in food preparation, service, and management for fast food, table service, bakery, nursing care, or hospital kitchens. This course is required for Food Service Education students.

FOOD SERVICE EDUCATION **2 CREDITS** **11(35 credits), 12**
CLASSROOM INSTRUCTION **(1/2 CREDIT PER SEMESTER)**

Prerequisite: Introduction to Food Service, Committee Approval

Co-requisite: Food Service Education On-The-Job Training

The student must enroll for a minimum of two consecutive semesters in the same academic year, though four semesters provides a complete learning experience and meets college credit articulation requirements.

NOTE: Classroom meets zero hour (7:30 a.m.-8:15 a.m.)and students are released at 11:26 a.m. for on-the-job training.

Food Service Education Classroom Instruction will provide practical experiences in food preparation, service, and management. Units of study include: human relations, decision making/problem solving, management practices, sanitation, safety, commercial kitchen equipment, and food preparation. Approval for enrollment is based on an interest in food service, citizenship, and attendance.

The Cooperative Career and Technical Education Programs are piloting an opportunity for Juniors to participate. The following requirements must be met to be eligible for the Programs.

- Juniors must have a **minimum of 35 credits prior to enrolling.**
- Juniors may enroll in Coop Programs only at the beginning of the 3rd Semester.
- Junior enrollees must be employed prior to the first day of the third (3rd) semester. Cooperative Career and Technical Education Instructors may be of assistance.

FOOD SERVICE EDUCATION **6 CREDITS** **11(35 credits), 12**
ON-THE-JOB-TRAINING **(1 ½ CREDITS PER SEMESTER)**

Co-requisite: Food Service Education Classroom Instruction

The student must enroll for a minimum of two consecutive semesters in the same academic year, though four semesters provides a complete learning experience and meets college credit articulation requirements.

Food Service Education On-The-Job Training offers training at an approved site in fast food, table service, bakeries, nursing care, or hospital kitchens. Students will be able to apply techniques from the classroom to their on-the-job site. Students are evaluated by their on-the-job employer and the teacher.

CAREER INDUSTRIAL TRAINING **2 CREDITS** **11(35 credits), 12**
CLASSROOM INSTRUCTION (SKILLS USA) **(1/2 CREDIT PER SEMESTER)**

Prerequisite: Committee Approval-World of Work strongly recommended

Co-Requisite: Career Industrial Training On-The-Job Training or Health Occupations On-the-Job Training

The student must enroll for a minimum of two consecutive semesters in the same academic year, though four semesters are recommended for a complete learning experience.

NOTE: Classroom meets zero hour (7:30 a.m.-8:15 a.m.)and students are released at 11:26 a.m. for on-the-job training.

must enroll for a minimum of two consecutive semesters in the same academic year. Four semesters are recommended.

VOCATIONAL AUTOMOTIVE TECHNOLOGY (College Intro. to Engine Repair, College Precision Measurements, College Introduction to Automotive Brake Systems) 12

4 HIGH SCHOOL CREDITS AND 7 SEMESTER COLLEGE CREDITS-ICCC

Prerequisite: Small Engine, Auto I, Auto II, and Committee Approval

Vocational Auto Mechanics is a laboratory and classroom course, which meets one period per day all school year. This course is designed to simulate actual on-the-job experience. Students will have the opportunity to develop entry level skills in the automotive service trade. Laboratory work will make up approximately eighty percent of the class time. This course for college credit through ICCC is entitled INTRODUCTION TO ENGINE REPAIR (3 SEMESTER HOURS) and INTRODUCTION TO AUTOMOTIVE BRAKE SYSTEM (3 SEMESTER HOURS). Introduction to Engine Repair will consist of classroom and lab instruction covering the theory of operation, disassembly, measurement and reassembly of internal combustion gasoline and diesel power plants. When possible, power plants will be operationally tested prior to disassembly and reassembly. Introduction to Automotive Brake Systems covers brake systems utilized in the modern vehicle including anti-lock brakes. Classroom and lab instruction will be utilized, to teach students the latest procedure for inspecting, measuring, diagnosing and repairing the modern brake systems in use today.

IJAG (IOWA JOBS FOR AMERICA'S GRADUATES) 1 CREDIT

10,11,12

Prerequisite: Approval of program instructor.

Iowa Jobs for America's Graduates is a comprehensive school-to-career program. Areas of instruction include Career Development, Job Attainment, Job Survival, Basic Skills, Leadership and Self-Development, Personal Skills, Life Survival Skills, and Work Place Skills. Students will have the opportunity to experience work environments through job shadowing, internships, and part-time employment.