

# **Council Bluffs Community School District High School Program of Studies 2009-2010**

**Preparing for the Future**



**Abraham Lincoln High School**



**Thomas Jefferson High School**





## **A Message from the Principals**

We want you to make the most of your high school years! To achieve this, successful course planning is necessary. This Program of Studies book contains the classes and programs that will be offered during the coming school year. This book will help you make decisions that are consistent with your future goals.

Did you know that according to the U.S. Department of Labor, by the age of 38, today's learners will have had 10-15 jobs including several career changes? Did you know that the top in-demand jobs in 2010 will not have existed in 2004? You need to be prepared for jobs that may not even exist, with technologies that are quickly advancing and will be solving problems that we cannot yet predict.

What does this mean for students? It means that all students need to be good problem solvers and good thinkers. All students must have a strong academic background and plan on at least two years of post-secondary education of some type. That is one reason why the district is raising expectations for all students through a common, rigorous academic core required for graduation. That is also why the Career and College Plan that students are now required to begin in 8<sup>th</sup> grade is so important. The plan aligns career interests with high school and post secondary choices. It will be monitored by parents and counselors every year to review your decisions and make sure you are progressing toward your goals.

Be informed about all of the courses so you can align your career interests and courses to build a solid foundation for your future. Take advantage of our exciting career academies. There are also excellent opportunities for other career/technical classes as well as many great classes in Language Arts, Science, Math and Social Studies. Don't neglect the fine arts and extra curriculum activities that help you grow as an individual. Finally, challenge yourself. Maximize your high school experience and what it can do for you. Consider trying one of the many Advanced Placement and Dual Credit/College level classes offered by the district. Success in these classes means you can earn college credits which gives you a head start toward your degree.

Refer to your Career and College Plan often. Read course descriptions carefully. Note prerequisites or other important details. Spread out your required courses. Plan ahead and give this process serious consideration to avoid schedule corrections later. Align your career interests and courses to build a solid foundation for the future.

We wish you a great year with lots of exciting opportunities. If you need help, don't hesitate to see your counselor or an administrator.

Sincerely,  
Melanie Shellberg,  
Principal, Abraham Lincoln High School

Sincerely,  
Judy O'Brien  
Principal, Thomas Jefferson High School





## 2009-2010 Program of Studies Table of Contents

<b>Message from the Principals</b> .....	1
<b>Table of Contents</b> .....	3
<b>I. General Information</b> .....	5
Council Bluffs District Mission, Goals, and Policies .....	5
Registration Process and Schedule Changes .....	6
Counseling Centers Information .....	7
Student Records and Transcripts .....	8
Academic Information .....	8
Academic Eligibility .....	8
Early Graduation .....	8
Gold and Silver Honor Rolls .....	9
Grading System .....	9
Grade Point Average and Rank in Class .....	9
Minimum School Day .....	10
NCAA Eligibility Standards .....	10
Participation in Commencement Policy .....	10
Promotion Standards .....	10
<b>II. Extended Academic Opportunities and Other Activities</b> .....	11
Co-Curricular, Extra-Curricular and Club Activities .....	11
Activities Available .....	11
National Honor Society .....	11
College Credit/Dual Credit Opportunities .....	11
Advanced Placement Courses .....	11
College/Dual Credit Classes (see also Career Technical Ed) ....	12
Post-Secondary Enrollment Option .....	13
Select Senior Program .....	14
Drivers Education Placement .....	14
Independent Study .....	14
Make-up Credit for Physical Education .....	15
Other Credit Options .....	15
Credit Recovery .....	15
Homebound-Hospital Placements .....	16
ICN/On-line Learning/Correspondence Courses .....	16
Summer School .....	16
Services for Students with Exceptional Talents and Abilities .....	16
Services for Students with Special Education Needs .....	17

Table of Contents continued

<b>III. Meeting Core Graduation Requirements</b> .....	19
District Graduation Requirements (Policy 625) .....	19
Physical Education Exception (Policy 606) .....	20
Planning Courses to Meet Core Course Graduation Requirements ..	20
Sequence of Courses to Meet Core Course Requirements .....	21
University and College Admissions Requirements .....	21
<b>IV. Student Career and College Plan</b> .....	23
Overview of Senate File 2272 Requirements and Process .....	23
Core Curriculum Requirement for All Students .....	23
Description of the Student Career & College Plan .....	23
<b>V. Career and Technical Education</b> .....	24
Career Academies .....	24
Additional Career Technical Programs at Tucker Career Center .....	25
Other Career Technical Programs at the High Schools.....	25
Planning for Post-Secondary Success .....	26
Career Fields Foundation .....	26
Coursework Related to Career Fields .....	26
Figure 1. Examples of Coursework by Career Fields .....	27
<b>VI. Course Descriptions by Department</b> .....	28
List of All Courses Titles by Departments .....	29
Course Descriptions by Departments .....	31
Air Force JROTC .....	31
Art .....	32
Engineering: Project Lead the Way .....	33
Engineering, Industry and Technology Services .....	34
Education Options.....	37
Family and Human Services .....	37
Business, Information, Management and Marketing .....	40
Language Arts/Literacy .....	45
Mathematics .....	48
Media and Communications .....	51
Medical and Health Science .....	53
Music .....	54
Physical Education .....	56
Science .....	57
Social Studies .....	60
World Languages .....	63

---

# I. General Information

---

## Council Bluffs Community School District Mission, Goals and Policies

**Mission:** In partnership with our community, the Council Bluffs Community Schools will equitably prepare each student for success in a changing world through challenging learning opportunities.

**Goals:** The following goals are for the District Comprehensive School Improvement Plan and for the Annual Progress Report to the State of Iowa.

**Long-Term Goals: Long Range Goal I (Literacy):**

Increase the percent of students each year scoring at the proficient and above proficient levels on district measures of reading and writing.

- Increase the percent of students scoring in the middle and high bands each year on the ITBS/ITED in reading comprehension while continually increasing the students scoring at or above the 50<sup>th</sup> percentile.
- Increase the percent of students each year who achieve the ACT benchmark for reading that indicates probable success in the freshmen year of college.

**Long Range Goal II (Mathematics):**

Increase the percent of students scoring in the middle and high bands each year on the ITBS/ITED in mathematics while continually increasing the students scoring at or above the 50<sup>th</sup> percentile.

**Long Range Goal III (Science):**

Increase the percent of students scoring in the middle and high bands each year on the ITBS/ITED in science while continually increasing the students scoring at or above the 50<sup>th</sup> percentile.

**Long Range Goal IV (Safe and Secure Schools Plan):**

- Elementary/Junior High: Increase the percent of students who miss five days or less.
- High School: Increase the graduation rate by 8% each year until the district meets/exceeds the state graduation rate

**Disabled Accessibility Policy**

Although certain facilities in our district are not fully physically accessible to handicapped persons, the Council Bluffs Community Schools District will take such means as are necessary to insure that no qualified handicapped person is denied the benefits of, excluded from participation in, or otherwise subject to discrimination because certain Council Bluffs Community School District facilities are physically inaccessible or are unusable by handicapped persons. The accessibility standard required by Federal law for existing facilities is that the district's program or activity, when viewed in its entirety must be readily accessible to handicapped persons. The Council Bluffs, Community School District may meet this standard through such means as 1) reassignment of classes or other services to accessible locations, 2) redesign of equipment, 3) assignment of teacher associates, 4) alteration of existing facilities, and 5) construction of new accessible facilities. The Council Bluffs Community School District is not required to make structural changes in existing facilities where other methods are sufficient to comply with the accessibility standard described above.

Because the scheduling of classes and arrangement of education programs in accessible facilities may require reasonable advance planning, handicapped students planning to attend a facility in the Council Bluffs Community Schools, should identify themselves within 60 days of the start of their registration for school and indicate the nature of accommodation they will require.

## **District's Nondiscrimination Policy**

It is the policy of the Council Bluffs Community School District not to discriminate on the basis of race, national origin, creed, age, sex, marital status, or handicap in its educational programs, activities, or employment practices as required under the appropriate title of civil rights legislation, including the Civil Rights Act of 1964, the Education Amendments of 1972, the Rehabilitation Act of 1973, the Education of all Handicapped Children Act of 1975 and of all applicable Iowa statutes and rules and regulations of this public school district.

It is the intention of this Board to continue to provide a curriculum, guidance and counseling program, an instructional delivery system, and an in-service education program designed to include the promotion of a genuine understanding and mutual respect for people of diverse backgrounds and culture.

Inquiries regarding compliance with Title IX, Title VI, or Section 504 may be directed to Student Services, 12 Scott Street, Council Bluffs, Iowa, 51503, 328-6423, and to the Director of the Iowa Civil Rights Commission, Des Moines, Iowa, or the Director of the Region II Office of Civil Rights Commission in Kansas City, Missouri.

## **Registration Process**

Registering for classes is an important process that begins second semester. General steps include:

- The Counselors schedule times to go to classrooms (grades 9-11). To distribute the booklets and go over graduation requirements, new courses or programs. They will answer questions students may have about specific courses. They will also remind students to use the Career & College Plan they began in 8<sup>th</sup> grade (for classes of 2011 or later). This plan already includes graduation requirements and the courses you need that best align your high school course selection with your future goals.
- A registration form is given to each student to take home with the booklet. Students are encouraged to discuss their career planning and course selections for the next year with their parents, then complete the registration process as outlined by the counselors.
- Students will discuss the registration process with their counselors. Copies of completed registration forms are mailed to parents. Parents may call or e-mail counselors with individual questions concerning class selections. Counselors will make appointments if requested.
- For upcoming 9<sup>th</sup> grade students, the counselors schedule a day to visit the junior highs and go over registration information with each team of 8<sup>th</sup> graders. Students are given a copy of the Program of Studies and a registration material. Specific information on credits, graduation requirements, and opportunities in high school are presented to the groups in the auditorium. Counselors return later to answer questions and collect the registration materials.
- Information about advanced/accelerated opportunities is available. ASSET testing is offered spring semester for students interested in taking college credit classes through IWCC. Interested students are to sign up in the Counseling Center to take the test. Students must meet test score requirements on the ASSET to be eligible for college credit classes.
- Counselors may need to adjust final registration based on such things as lack of prerequisites, availability of classes, or the identification of special needs.

## **Schedule Corrections**

After initial registration and scheduling, schedule changes will be made only in case of the following:

1. Misplacement in a class
2. History of being unsuccessful with a teacher in a previous school year.
3. Need for additional credits for graduation and/or for eligibility.

Approval from the student's counselor is necessary. Parent permission may be required.

Students must have written permission from the teacher and parent/guardian before being allowed to withdraw from a course. Students who withdraw from a course after six weeks will receive an "F" for the semester.

## Counseling Center Information

**Mission Statement:** In partnership with school, families, and the community, we provide a comprehensive program for all students to acquire the attitudes, skills, and knowledge for success in a multi-cultural and changing world through academic, personal, and career development.

### General Information

Please refer to this Program of Studies for assistance in selecting your courses for the next school year. It contains important information about high school graduation requirements along with information about career and college opportunities and requirements. All students are assigned academic counselors who are available to assist students to plan their courses of study and to prepare for graduation and postsecondary career and college choices. Students need to let them know about any questions or concerns they have.

Abraham Lincoln High School  
Sharon Crawford (A-E)  
Ginger Morgan (F-K)  
Don Youtz (L-Q)  
Billie Shelton (R-Z)

Thomas Jefferson High School  
Carla Hartenhoff (A-G)  
Nancy Hale (H-Pa)  
Karla Hughes (Pe-Z)  
Al Vandenberg (Special Needs, ELL)

Amy Hanson serves students from both high schools at the Kaneshville Academic Center

Accumulated data on each student is on file in the counseling center. This information, plus consultations with the student and their teachers, helps the counselor to assist the student with career guidance, program planning, educational concerns, selection of a college or vocational school, and the financial aid process.

1. **Counseling:** Students may request to speak to their guidance counselor; however, students need to go through the proper procedure and obtain a pass to be absent from class. The counselors are available to help students think through problems. Counselors are at school to be of assistance. The student or the parent should feel free to contact the counselor regarding crisis situations. PLEASE LET US KNOW!
2. **Group Guidance and Counseling:** Small group counseling is available in a number of interest areas. Concerns such as family changes and a variety of personal issues are dealt with in a group setting. A number of classroom presentations are offered to students each year depending on need. Topics may include financial aid, post high school planning, self-assessment, decision making, career choices, job applications, and so on.
3. **Test and Testing:** The Iowa Test of Educational Development is given to all ninth (9<sup>th</sup>) and eleventh (11<sup>th</sup>) grade students. The PLAN test is given to all tenth (10<sup>th</sup>) grade students. College bound students should register for the ACT and the Preliminary Scholastic Aptitude National Merit Scholarship Qualifying Test (PSAT/NMSQT) in their junior year. Counselors can help students and parents interpret the results of testing.
4. **Planning for Post-Secondary Education:** The Guidance Center helps students plan for future education. The office has available a large number of college and vocational school catalogs, as well as other books containing information about higher education. Students are encouraged to start using all this information as early as possible. Computer searches provide students up-to-date information on colleges and careers. Students should carefully plan course selections based on postsecondary entrance requirements. College applications are available in the counseling center or on-line. File applications during the senior year.
5. **Scholarships and Financial Aid:** The counselors will assist students in making application for scholarships offered by colleges and other organizations. Counselors also provide advice, software programs, printed materials and presentations for financial aid planning. Students planning to attend college or vocational school should apply for financial aid and scholarships. Applications and information are made available to all students.

## **Student Records**

Student records are maintained by the school registrar at each high school. There are two types of student records: Student Permanent and Temporary Records.

Student Permanent-Cumulative Records include:

1. Basic identifying information (students'/parents' names, addresses, birth dates, etc.)
2. Academic transcript (grades, class rank, graduation date, grade level achieved, etc.)
3. Attendance and health records
4. Record of any release of permanent record information
5. Intelligence, aptitude, and achievement test scores

Student Temporary Records consist of all information not required to be in the Student Permanent Record and may include:

1. Family background information
2. Psychological evaluations
3. Honors and awards
4. Special education records
5. Record of release of temporary record information

## **Transcripts**

A final high school transcript will be mailed free of charge to students. Students may request additional transcripts to be mailed with the application to colleges, scholarship foundations, etc. The first five college applications/transcripts will be mailed free of charge. After five, there will be a charge. Transcripts needed for scholarship competition will be provided at no charge. See the school registrar to request a transcript. During the summer, they may be requested in the main office or on-line.

# **Academic Information**

## **Academic Eligibility**

Students demonstrating satisfactory academic progress should be eligible to participate in co-curricular activities. A student shall be passing all credits during participation in activities specified in Policy 612 in the Code of Conduct. To participate, students shall have earned all credits in the preceding semester. Special Education and/or students under a 504 plan will be required to be making appropriate progress on their I.E.P. or individual 504 plan. Students need to be enrolled in enough credits to be on track for graduation. More specific guidelines are available in the district Code of Conduct. Students who have achieved 36 credits and are on track for graduation during the current school year need to be passing five (5) credits during participation in activities.

This policy does not preclude coaches, sponsors or organizations from establishing reasonable rules and penalties for behaviors and academic standards not identified through this policy. Such rules must be approved by the building administration. Students must be aware of this policy and any additional rules prior to the beginning of the activity season, including the procedures for monitoring academic progress, reporting that progress to parents and for remediating academic deficits.

## **Early Graduation**

Any student wishing to apply for early graduation must complete the request form, which may be obtained from the counselor center and must be turned in to the principal at least one semester prior to the requested completion date. Students need to talk to the counselor to be sure they know what the requirements are. Final approval is given by the principal, if the student qualifies. Written parent/guardian permission is required if the student is under 18.

## **Gold and Silver Honor Rolls**

Students must be enrolled in at least five credits in order to be eligible. Mid-semester grades are not included in class rank and G.P.A. but are used to determine mid-semester honor rolls. Grades in all subjects will be recorded and used in computing grade point average for honor roll.

Gold honor roll membership is obtained by earning a grade point average of 3.8 or above; silver honor roll is 3.5 to 3.79, based upon mid-semester progress reports and semester grade reports. Students may qualify for one of two honor rolls.

1. GOLD HONOR ROLL – for students with a G.P.A. of 3.80 or better
2. SILVER HONOR ROLL – for students with a G.P.A. of 3.50 – 3.79

## **Grading System**

The Council Bluffs School District believes that grades are intended to reflect and communicate student progress on district learning targets to students, parents, teachers, and postsecondary schools. As a result of a fair and consistent grading process, students will be able to evaluate their own learning, set personal learning goals and communicate achievement status to interested stakeholders.

A four point grading scale will be used to calculate letter grades with 3.51-4.0 an A; 2.51-3.50 a B; 1.51-2.50 a C; .51-1.50 a D; and .5-0 an F. Letter grades, derived from the 4 point scale, will be based solely on achievement of course/grade level standards. Student attendance, effort, ability, engagement, improvement, attitude, and other behaviors will be reported separately from achievement.

At least seventy percent (70%) of the student's grade is based on the major learning (i.e., major assessments or assignments, performance tasks, projects). Students need to pass all major work with a D in order to pass the course. Students may retake or redo the major learning work if they do not achieve passing grades. In order to retake major learning a student must demonstrate that they have reviewed/ reworked previous learning (could be minor work). Students can redo major work one time after earning a passing grade (D).

No more than thirty percent (30%) of the student's grade is based on minor learning (quizzes, homework, etc). Students are expected to complete work as assigned but will be given reasonable opportunities to complete learning on minor tasks as designated by individual teachers.

## **Grade Point Average (G.P.A) and Class Rank**

Semester letter grades (A-F) are used to determine grade point averages. Courses such as Guidance aide, office aide, ELL tutor, and library aide may qualify for a ½ credit if students receive a "P" for pass, but the ½ credit is not included in the G.P.A. calculation. Teacher's Aide does not receive credit. Courses may only be retaken when the original grade is a D or F. The improved grade replaces the original on the transcript. The course may be retaken for a grade only—not pass/fail. Class rank and cumulative G.P.A. are determined at the end of each semester in high school.

Rank in class designates a student's academic standing in relation to all other class members. Starting with the highest grade point average, students are ranked from the first to the last. This information is used primarily for college entrance, scholarships, and academic recognition.

## **Minimum School Day**

It is to every student's personal advantage to make maximum use of all curriculum offerings, services and resources available at school to help prepare for the highest possible level of success after high school. To that end, all students enrolled in high school are expected to be in attendance for all periods. Exceptions should only be for special circumstances such things as on-the-job training in conjunction with career and technical co-op classes, internships or attending classes at post-secondary institutions. Exceptions require written parent permission and will need to be reviewed by a counselor.

Students enrolled in career and technical programs, special education classes, joint high school/college classes or other special programs will be expected to meet equivalent time demands within the limits of their program. Special program exceptions must be submitted to the building principal for consideration.

## **NCAA (National Collegiate Athletic Association) Eligibility Standards**

Students who plan to become a Division I or II College Athlete must meet the NCAA Clearinghouse eligibility standards by completing a recommended college preparatory sequence of classes, grades 9 through 12. These high school courses have to be approved by the NCAA. View the approved courses and register with NCAA online at [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net).

## **Participation in Commencement Policy**

No student will be allowed to participate in commencement ceremonies unless ALL graduation requirements have been completed. Diplomas are issued following the ceremony. There will be no issuing of blank diplomas pending the completion of summer school work. All eligible students will participate in graduation ceremonies unless excused by the principal. Students may be excluded from graduation exercises for disciplinary reasons.

## **Promotion Standards**

In order to be promoted to a successive grade level, students must prove successful progress toward graduation by meeting minimally established credit requirements:

- 10<sup>th</sup> grade – 12**
- 11<sup>th</sup> grade – 24**
- 12<sup>th</sup> grade – 36**

---

## II. Extended Academic and Extra Curricular Opportunities

---

### Co-Curricular, Extra-Curricular and Club Activities

A wide variety of activities are available to students. You are encouraged to become involved in one or more of them. Students who take part in activities usually have higher grades and more fun. Be a part of the activities program! Check to see what activities are available at your site.

#### Activities Available

Air Force Junior Reserve  
Officer Training Corps  
ASTRA (Community Service)  
Band  
Chess Club  
Building TV Shows  
Cheerleading  
Choir  
College Bound Club  
Culinary Club  
DECA (Distributive Education Clubs of America)  
ELL Club  
Engineering Club  
Future Teachers of America

IJAG  
Japanese Animation Club  
Jazz Band  
Justice League  
Mock Trial  
National Honor Society  
Orchestra  
Peer Helping  
Pom Pon Squad  
School Newspapers  
Science Club  
Spanish Club  
Speech Team  
Student Government  
Swing Choir

#### Sports

Baseball  
Basketball  
Bowling  
Cross Country  
Football  
Golf  
Soccer  
Softball  
Swimming  
Tennis  
Track  
Volleyball  
Wrestling  
Yearbook

#### National Honor Society

The National Honor Society, a national organization, was established to honor students' high achievement. Membership in the society is based upon the student's record in scholarship, leadership, service, and character. Membership is open to sophomore, junior and senior students. Since it is one of the highest honors that can be bestowed upon a high school student, every student should attempt to make membership in the National Honor Society his or her goal. Students who have a 3.5 or better cumulative grade point average after the first 3 semesters will be invited to apply.

### College Credit/Dual Credit Opportunities

Students have the opportunity to earn college credits in certain courses through Advanced Placement, Post-Secondary Enrollment Options, Select Senior Program, courses over the Iowa Communications Network (ICN) and/or the College/Dual Credit program with participating schools like Iowa Western Community College and Iowa State University. Dual credit means that students may earn college credits while taking courses for high school graduation credit. College credit depends on successfully completing the class and meeting any requirements as determined by the college or university.

#### Advanced Placement Courses (AP)

Advanced Placement Courses (AP) are rigorous, college level classes that prepare students to take standardized Advanced Placement exams that are a requirement for taking the courses. A passing score on the AP exam is accepted by many colleges and universities as college credit or are accepted as meeting a college course requirement. The AP course designation will not be included on a student's transcript unless the AP exam is passed with a 3 or better. There is a fee for taking the exam that is shared by the student and district. If students cannot afford the fee, they can talk to their counselor about assistance.

Below are the AP courses offered at this time. Review course descriptions and check with your counselor to see if a particular course is offered at your site or if new ones have been added:

Language & Composition	Biology with Lab	American Government and Politics
Literature and Composition	Chemistry with Lab	Psychology
Calculus AB	Physics with Lab	US History
Music Theory		World History

### College/Dual Credit (DC) Courses

**Dual credit courses (DC)** are those in which students *may* earn college credit as well as high school credit toward graduation requirements if they meet the requirements of the participating college.

**Registering for college credit:** Most dual credit classes are offered through Iowa Western Community College (IWCC). This includes Career Technical programs offered through the Tucker Career & College Center. *Tuition is paid by the Council Bluffs Schools with the student paying a one-time \$25 enrollment fee to IWCC.* Students enrolling for the Calculus I pre-engineering course offered for Iowa State University credit must complete an application to Iowa State University and also apply for *the tuition to be paid by the Post Secondary Enrollment Option grant.*

Below are the College/Dual Credit courses offered at this time. All credit is from Iowa Western Community College (IWCC) except for Iowa State University Pre-Engineering Calculus as noted.

Core Content Dual Credit Courses	Career/Technical Dual Credit Courses	
American Government	Auto Technology 1, 2, 3, 4	Food Preparation & Sanitation
Calculus I	CCNA 1: Networking for Home & Small Businesses	Food Production Lab
Calculus I & II (ISU Pre-engineering)	CCNA 2: Working at a Small to Medium Business	Culinary Baking
Composition I & II	CCNA 3: Routing and Switching	Dining Service
Elementary Spanish I & II	CCNA 4: Designing & Supporting Computer Networks	Health Science 1, 2, 3, 4
Intermediate Spanish I & II	Introduction to Computers	Intro to Early Childhood Education
General Biology I & II with Lab	Introduction to Video Production	Child Growth and Development
General Chemistry I & II with Lab		
Introduction to Sociology		
Precalculus		
Public Speaking		
Statistics		

**Qualifying to take the course:** IWCC Dual Credit classes are open to all qualified juniors and seniors as well as to identified freshmen and sophomore students who may qualify. Students must achieve qualifying scores on the ASSET, COMPASS or ACT exams. The ASSET test will be offered at the high schools spring semester. *Students who do not achieve a qualifying ASSET score need to show evidence of remediation such as additional coursework before being allowed to retest on the COMPASS.* Students earning a qualifying score then sign up for the course(s) through their counselors. IWCC determines any additional prerequisites for participation. For more information, please contact a counselor or IWCC representative. Students enrolling in the ISU Calculus I course must have at least a 25 math score on ACT.

**Grades and transcripts:** Each student receives two grades and two separate transcripts, one from the high school and one from the college. Students planning to enroll in these courses for the next year must specifically sign up during the early spring course selection process at their home school using the college registration form. If a student fails to complete the course or receive credit, the student will be required to reimburse the district for part or all of the course tuition.

**Failure or withdrawal:** Students are advised that withdrawal from a course after the college deadline or any course failures can cause later scholarship and financial aid denials as well as a very low initial college GPA, which could further cause NCAA eligibility problems. Failure in these courses also affects their college transcripts and may cause problems when enrolling in a post-secondary institution following graduation. Students participating in Dual Credit programs are subject to the same satisfactory academic progress requirements as other college students.

**Impact on future financial aid:** For college financial aid purposes, the Financial Aid Office must look at all previous terms of attendance, regardless of whether or not financial aid was received. *Therefore, students participating in Dual Credit programs need to recognize that withdrawing from a course or receiving a low grade (D or F) in a course may affect future eligibility for college financial aid.*

Students must have a college cumulative G.P.A. of 1.75 and must satisfactorily complete the minimum number of hours required at their enrollment level to remain in good standing for financial aid. Minimum hours to be completed: Full-time (12 Credit hours) or Part-time (less than 12 credit hours).

For students who get financial aid for college, failure to meet the criteria during one term will result in financial aid probation. Students are eligible to receive financial aid while on probation. If a student fails to meet the criteria for two consecutive terms, the student is placed on financial aid termination and is no longer eligible for financial aid. A student on financial aid termination has the right to an appeal.

If a Dual Credit student is considering withdrawing from or is failing a class, the student may want to contact the college Financial Aid Office to discuss the effect on future financial aid.

*Withdrawals from any Dual Credit course must be done through the appropriate counselor in the student's home building. IWCC requires a change of registration form for any withdrawals.*

### **Post-Secondary Enrollment Option**

The Postsecondary Enrollment Options Act allows students to pursue studies at Iowa postsecondary institutions with partial payment covered by the student's high school (up to \$250 per course).

To be eligible, students must be enrolled by the 3<sup>rd</sup> Friday in September. The student must have fully exhausted all **district** options in a particular subject area, and wishes further course work while still enrolled in high school courses. This option applies to less than 11 college credit hours per semester including any Dual Credit classes taken at a student's home school.

#### **Student Responsibilities**

- Notify district of intent to enroll under this act.
- Provide evidence of readiness to enroll in the postsecondary program.
- Meet testing requirements for acceptance to the postsecondary school.
- Apply at the postsecondary institution for enrollment. Enrollment fees are paid by the student.
- Satisfy any prerequisites required for the course.
- Pay for the course if a student is 18 or older and he/she fails to complete the course, does not receive credit, or drops a course before the specified time frame.
- Recognize that grades will be permanently recorded on the student's postsecondary records.
- Provide high school with certified evidence of successful completion and the grade.

#### **Parent Responsibilities**

- Provide for transportation of student to postsecondary institution if needed.
- Pay for the course if a student is not 18 and he/she fails to complete the course, does not receive credit, or drops a course before the specified time frame.

#### **Steps**

1. Select the Iowa public college course that you wish to take.
2. You may not take over 11 credits hours per semester (including any combination of courses).
3. Prove readiness to enroll in the selected course.
4. Complete admission requirements for the college.
5. Meet with your high school counselor to complete the college registration form.
6. Enroll in the course at the college and have them sign the PSEO form.
7. When the class is completed, the grades are sent from the college to your high school.
8. Return any loaned textbooks to the college bookstore or pay for them.

## Select Senior Program

Open to qualified seniors only (generally those with all regular graduation requirements already met). Qualified juniors must register for the program with their counselor or designated person at the school who will help determine eligibility. If eligibility standards are met, the counselor will guide the student into the appropriate IWCC program.

The program is held on the campus of IWCC. Students generally return to their home high school only if PE, US Government, or Language Arts credits cannot be negotiated through IWCC.

Students must be notified that any withdrawal from the course after the IWCC deadline or any course failures can cause scholarship and financial aid denials as well as a very low initial college GPA, which could further cause NCAA eligibility problems.

Acceptance into the program by IWCC may entail a fee to be paid by the student. **Any** additional course fees over and above the tuition and books must be paid for by the enrolled student.

***Withdrawal or failure of any courses in this program may prevent high school graduation.***

The actual letter of acceptance from IWCC into the program must be presented to the person who coordinates dual credit at the home high school prior to the start of the semester.

## Drivers Education Placement

When students register for Driver's Education, they will be required to show their Iowa learner's permit. There are two opportunities for students to enroll in Driver's Education. The first option is to enroll in classes at school during the school day (see page 38 for the description). Before students are accepted they need to provide a copy of their learner's permit. The second option is for students to enroll in a course from another provider such as DriveTek for classes before and after school or over the summer. Information regarding DriveTek can be found on the Council Bluffs School District website at [www.cbcsd.org](http://www.cbcsd.org). Go to the menu for students and click on special programs.

## Independent Study

The purpose of independent study is to organize student exploration of a subject or area so that a student may examine in depth, under the direction of a faculty member or department, an area of interest. Independent Study may not be used to re-take a course for an improved grade.

### Plan for Independent Study:

1. Student contacts teacher(s) under which independent study project will be conducted.
2. Teacher approves it, checks with department head or lead teacher, has student complete the form and sends the form to the counselor.
3. Counselor reviews the proposal, ascertains parental consent, and signs the request.
4. Counselor will file the signed agreement and send a copy to the teacher and student.
5. Progress report given as needed to counselor and parent if work is unsatisfactory.
6. Evaluation procedures are agreed upon in advance in writing by the teacher and student.

### Guidelines for Participation:

1. Students are limited to one independent study course per semester. This course may be either a credit or a non-credit course.
2. Students must register for a minimum of six (6) regularly scheduled courses to participate in an independent study course.
3. Complete an Independent Study Agreement form with required signatures.
4. Student and teacher advisor must have mutual free time for consultation and planning.

5. Students must complete all work on courses for credit at least one week prior to the close of the semester in which the work will be recorded.
6. Students must complete all necessary regularly offered courses in a particular area before approval will be given for an independent study course.
7. A student may withdraw from an independent study any time during the first half of the contract period by mutual agreement with the advisor. Withdrawals from credit courses will be recorded as a "W" on the student's permanent record. No withdrawals will be permitted after the midpoint of the contract period. A letter grade will be recorded for all independent study courses beyond the midpoint of the contract.
8. Summer projects may be organized. However, registration and credit will only be granted during the regular school year.

*Physical Education Independent Study:* Available for juniors and seniors with full schedules.

### **Make-up Credit for Physical Education**

Physical Education (PE) may be taken as a contracted course for students who need to make up PE credit in order to meet graduation requirements and do not meet the requirements to complete Independent Study PE (see course descriptions). Grade will be P/F (pass/fail). Students must:

- Take a full schedule each semester, including P.E. (Any exceptions need principal approval)
- Complete a contract with a physical education teacher listing approved activities and facilities.
- Submit a completed Make-up Log of activities to the counselor at the end of the semester.
- Spend 3 hours of activity per week for a total of 80 hours/semester. Activities could include:
  - YMCA classes or individual activities (i.e. swimming, weight lifting) at the YMCA.
  - Participation in local bowling leagues, sand volleyball, etc.
  - Participation in continuing education classes offered by Council Bluffs Schools or local community college.
  - Enrollment in a physical education class at a local community college.

## **Other Credit Options**

### **Credit Recovery**

There are a variety of options available to help students seeking to make up a credit that was lost for any number of reasons. Independent study as described above may be an option for some students, but there are a variety of programs to help in other ways. Some of the opportunities include:

- **After school tutoring or assisted study** are provided by teachers on a rotating basis to help students catch up work or get extra help in understanding content or skills for core classes.
- **Learning Recovery** programs at the building levels schedule students into a class or lab during the day to finish incomplete work or to demonstrate mastery of learning.
- **Night High School** classes are offered after school hours. Check in the fall to see where the sites will be located. Students must secure a form that must be signed by the counselor and parent. Students are not to take Night High School classes in lieu of courses offered during the school day. The night classes are for remediation and credit make-up of required classes, especially for seniors. Course offerings are limited.
- **Summer School** is available. Check with the counselors or administrators to see if something that meets your needs is going to be offered.
- **Technology assistance** in the form of Apex Learning software is one option, but additional options may become available as technology changes.

## Homebound-Hospital Placements

In case a student will be hospitalized or will be home ill for an extended period of time, it is possible to place a student on a hospital-bound or homebound program by providing documentation from a physician including an estimated time frame. These programs are designed to provide teacher assistance to the student for class work. Absences from school are not counted against a student. Please alert the Attendance Office and the appropriate counselor if a long-term absence appears imminent. Arrangements will be made for appropriate program placement.

## ICN/On-line Learning/Correspondence Courses

With the advance of technology, courses beyond what we have to offer in our district may be available to students through the Iowa Communications Network (ICN) classrooms located in each high school or on the Internet. Students with advanced interests should see the person in your building who coordinates these classes and provides assistance. Examples include ISU Calculus from Iowa State University over the ICN and the AP Music Theory class. Often these classes meet guidelines established by the Post Secondary Enrollment Option so there is no cost to the student.

Correspondence Courses:

The following guidelines must be met in order to secure approval of a correspondence course:

1. Prior approval is needed from the Counseling Department.
2. Official notification of credit for correspondence courses must be in the Guidance Office no later than 15 school days from the end of the semester where credit is to be applied.
3. Final approval is given by the Principal, if the student qualifies.

Minimum class enrollment determines whether courses are offered.

## Summer School

Summer School is provided for purposes of working ahead, remediation, credit recovery, enrichment and recreation. See the counselors or principals about fees, schedules, offerings and registration.

## Services for Students with Exceptional Talents and Abilities

The Council Bluffs Community School District recognizes the special needs of students with exceptional talents and abilities. Schools provide many opportunities to develop higher thinking skills and processes that foster individual growth and interests. Students may be gifted or talented in a variety of ways, not all of which are academic or even related to school performance.

The district uses a variety of means to identify students of exceptional talents and abilities in one or more of three following areas: academic or intellectual, creative, or single interest/ability. Data is gathered through standardized tests, observed behaviors or accomplishments, and products. Finding students and helping them to develop their highest potential is the work of everyone. Each building has staff identified to work with these students to advise them regarding appropriate coursework and programs available to them. Listed below are a few of the most frequently used options:

**Courses Designated as Advanced:** These courses, such as Advanced English 9, are different from other sections of the same courses in the following ways: academic rigor, accelerated pace, and opportunity for student-selected work.

**College Classes through Iowa Communications Network (ICN) or Internet:** With the advance of technology, courses beyond what we have to offer at the district may be available to students through the ICN or Internet. See the descriptions above and talk to designated personnel in your building.

**Online Advanced Placement Academy:** Another online offering is through the Iowa Online Advanced Placement Academy. At this time, a federal grant covers all expenses related to these courses except for exam fees. Classes exist in the following AP subject areas: Calculus AB, Chemistry, Art History, English Language and Composition, English Literature and Composition, Macroeconomics, Microeconomics, Physics B, Statistics, U.S. Government and Politics, as well as U.S. History. These classes are rigorous and fast paced. Courses are tailored to prepare students for the AP exams. Students may wish to explore this option if they have scheduling difficulties.

**Advanced Placement classes:** These classes get students ready to take AP exams. Colleges determine what they will accept for college credit. Please refer to the information provided above on pages 11-12 as well as course descriptions for more information.

**Challenge:** If an independent study cannot be arranged or if it is not appropriate for a student whose background, skills, ability, and/or knowledge are advanced in a specific academic area, a student may challenge a required course. Early in the semester, the student should express to the appropriate person his/her desire to be assessed according to the standards and objectives of the course before completing the class work. The designated person in each building then coordinates an assessment procedure with the appropriate teacher. If the student passes the assessment according to the teacher's regular scale or department standards, he/she receives credit for the course, a "P" (pass) for a grade, and is then free to schedule another class.

**Seminar (Abraham Lincoln only):** The seminar is an elective class that may be repeated for credit. Students will apply their interests, knowledge, thinking skills, creative ideas, and task commitment to self-selected problems or areas of study. To be eligible for this opportunity, students taking seminar should be identified by the post-secondary strategist as needing seminar to explore advanced opportunities in coursework, projects, and/or career and college planning.

## **Services for Students with Special Education Needs**

All schools recognize that there are students with special learning needs. Services, interventions, and course work for all students with Special Education Needs are based upon each student's Individualized Education Plan (IEP) goals and objectives. Services are determined primarily at an annual staffing between parents, students, teachers and administration. A parent or any other staffing team member can call for an IEP meeting at any time to discuss a student's need. Below are examples of options that may be provided.

**Community Skills Classes:** Community Skills classes are divided into four subjects: Domestic Skills, Community Skills, Vocational Skills and Recreation and Leisure and Adult Transitions. These classes help prepare students for transition into adult life. A special education teacher teaches these classes.

**Fundamental Classes:** These classes taught by a special education teacher, emphasize fundamental academic and life skills needed to participate in the community setting. In addition to Reading, Math, Social Studies and Science, this program teaches work and leisure skills. Many students participate in on the job training at community-based sites. Students use their academic skills as they learn to function as paying consumers, riding the bus and using money in the community.

**Basic Classes:** These classes teach basic skills in core academic areas. These classes also relate to those academic skills needed to obtain and keep employment. Daily Math teaches basic math skills. Daily English teaches basic reading and written language skills and information about the world as an independent adult. Daily Science concentrates on basic skills to obtain a general understanding of basic scientific information. Daily Skills class helps students with pre-vocational information.

**Regular Education Classes with Support:** Students are placed in these classes as specified by their IEP. Identified regular education classes in Math, Social Studies, Science and English are co-taught by a regular education and a special education teacher.



### III. Meeting Core Graduation Requirements

The District wants to assure all students have clear, rigorous and relevant curriculum linked to knowledge and skills they will need for success in postsecondary education and careers. New core curriculum requirements for graduation begin *with the graduation class of 2011*.

#### District Graduation Requirements (Board Policy 625)

<b>Title:</b>	<b>Senior High Graduation Requirements</b>		
<b>Code:</b>	Board Policy 625		
<b>Category:</b>	Education Program		
<b>Description:</b>	<p>Council Bluffs Community School District students must fulfill the requirements for senior high school graduation. The requirements are listed below and are differentiated based on the year each student entered high school as a freshman.</p> <p>For Freshmen entering high school in 2006-2007 the following requirements apply:</p> <p>A. Completion of 48 credits in grades 9-12.          B. Completion of the following required credits beginning in the ninth grade year.</p> <p style="padding-left: 20px;"><b>Social Studies:</b> 6 credits  <b>English:</b> 8 credits  <b>Math:</b> 6 credits  <b>Science:</b> 6 credits  <b>Physical Education:</b> 4 credits  <b>Electives:</b> 18 credits</p> <p>For Freshmen Entering in or after the 2007-2008 School Year:</p> <p>A. Completion of 48 credits in grades 9-12          B. Completion of the following required credits beginning in the ninth grade year:</p> <table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top; width: 50%;"> <p><b>Social Studies:</b> 6 credits</p> <ul style="list-style-type: none"> <li>US History (2)</li> <li>Government (1)</li> <li>World History* (1)</li> <li>Economics (1)</li> <li>One credit (1) from:                             <ul style="list-style-type: none"> <li>World History</li> <li>Sociology</li> <li>Psychology</li> </ul> </li> </ul> <p><b>English:</b> 8 credits</p> <ul style="list-style-type: none"> <li>English 9* (2)</li> <li>English 10 (2)</li> <li>English 11 (2)</li> <li>English 12 (2)</li> </ul> <p><b>Physical Education:</b> 4 credits unless Policy 606 applies  <b>Electives:</b> 18 credits</p> </td> <td style="vertical-align: top; width: 50%;"> <p><b>Math:</b> 6 credits</p> <ul style="list-style-type: none"> <li>Algebra 1* (2)</li> <li>Geometry* (2)</li> <li>Two credits (2) from:                             <ul style="list-style-type: none"> <li>Algebra 2</li> <li>Math Analysis</li> </ul> </li> </ul> <p><b>Science:</b> 6 credits required</p> <ul style="list-style-type: none"> <li>Physical Science* (2)</li> <li>Biology (2)</li> <li>Two credits (2) from:                             <ul style="list-style-type: none"> <li>Chemistry</li> <li>Physics</li> <li>Human Biology</li> <li>Global Science</li> </ul> </li> </ul> </td> </tr> </table> <p>*If required classes are taken by advanced students in Middle School, students will take more advanced courses in high school to meet requirements. Advanced levels of required courses such as Dual Credit and Advanced Placement also meet requirements.</p>	<p><b>Social Studies:</b> 6 credits</p> <ul style="list-style-type: none"> <li>US History (2)</li> <li>Government (1)</li> <li>World History* (1)</li> <li>Economics (1)</li> <li>One credit (1) from:                             <ul style="list-style-type: none"> <li>World History</li> <li>Sociology</li> <li>Psychology</li> </ul> </li> </ul> <p><b>English:</b> 8 credits</p> <ul style="list-style-type: none"> <li>English 9* (2)</li> <li>English 10 (2)</li> <li>English 11 (2)</li> <li>English 12 (2)</li> </ul> <p><b>Physical Education:</b> 4 credits unless Policy 606 applies  <b>Electives:</b> 18 credits</p>	<p><b>Math:</b> 6 credits</p> <ul style="list-style-type: none"> <li>Algebra 1* (2)</li> <li>Geometry* (2)</li> <li>Two credits (2) from:                             <ul style="list-style-type: none"> <li>Algebra 2</li> <li>Math Analysis</li> </ul> </li> </ul> <p><b>Science:</b> 6 credits required</p> <ul style="list-style-type: none"> <li>Physical Science* (2)</li> <li>Biology (2)</li> <li>Two credits (2) from:                             <ul style="list-style-type: none"> <li>Chemistry</li> <li>Physics</li> <li>Human Biology</li> <li>Global Science</li> </ul> </li> </ul>
<p><b>Social Studies:</b> 6 credits</p> <ul style="list-style-type: none"> <li>US History (2)</li> <li>Government (1)</li> <li>World History* (1)</li> <li>Economics (1)</li> <li>One credit (1) from:                             <ul style="list-style-type: none"> <li>World History</li> <li>Sociology</li> <li>Psychology</li> </ul> </li> </ul> <p><b>English:</b> 8 credits</p> <ul style="list-style-type: none"> <li>English 9* (2)</li> <li>English 10 (2)</li> <li>English 11 (2)</li> <li>English 12 (2)</li> </ul> <p><b>Physical Education:</b> 4 credits unless Policy 606 applies  <b>Electives:</b> 18 credits</p>	<p><b>Math:</b> 6 credits</p> <ul style="list-style-type: none"> <li>Algebra 1* (2)</li> <li>Geometry* (2)</li> <li>Two credits (2) from:                             <ul style="list-style-type: none"> <li>Algebra 2</li> <li>Math Analysis</li> </ul> </li> </ul> <p><b>Science:</b> 6 credits required</p> <ul style="list-style-type: none"> <li>Physical Science* (2)</li> <li>Biology (2)</li> <li>Two credits (2) from:                             <ul style="list-style-type: none"> <li>Chemistry</li> <li>Physics</li> <li>Human Biology</li> <li>Global Science</li> </ul> </li> </ul>		



## Physical Education Exception (Policy 606)

Students in grades 1-12 shall be required to participate in regularly scheduled physical education classes unless excused by the principal of their school. The principal may excuse a student when:

- A written statement by a physician states the student should not participate because of illness or injury.
- The activity in question would be detrimental to the student's health or is inappropriate as determined by the student's individual education plan.
- A written statement by a parent or guardian states religious beliefs are in conflict with the activity.
- The student is in grade 12 and is enrolled in another education program authorized by the school district which requires the student's absence from the building.
- The student is in grade 12 and is enrolled in an academic course not available other times.
- The student is enrolled in high school for a fifth (5th) year or more.
- The student has been approved for early graduation.

## Planning Courses to Meet the Core Course Graduation Requirements

### Typical Sequence to Meet the Core Courses Requirements

- The chart on the following page shows the most common ways that students meet their graduation requirements for the core courses as outlined in the graduation policy.
- This does not show the many interesting and worthwhile electives that students will take in order to gain the full 48 hours of credit required for graduation.
- The sequence the student follows should be part of the Career & College Plan that students, parents, and counselors begin working on in 8<sup>th</sup> grade and continue to refine throughout high school. Core courses should be coordinated with electives to build the foundation for a career field of interest.
- The courses that most students will follow to meet the Core Course requirements are noted in bold and with an asterisk.

### Using Advanced, Advanced Placement, College/Dual Credit or Acceleration Options to Meet Core Courses Requirements

In most cases, there are advanced or college/dual credit variations of the core courses that will be accepted as meeting Core Course graduation requirements.

- **Advanced courses** have the same curriculum as the regular class but are more rigorous and may include additional content to help students achieve their highest potential. Some courses have content that help prepare students for AP classes.
- **Advanced Placement Courses (AP)** provide students the opportunity to take an AP exam. A passing score on the AP exam is accepted by many colleges and universities as college credit or serve to meet college requirements.
- **Dual Credit Courses (DC)** are those in which students may earn college credit along with high school credit toward graduation requirements if they meet the requirements of the participating college or university. See course descriptions for prerequisites and qualifying test scores.
- **Acceleration** simply means that students who did well in accelerated classes in junior high, may be able to take advanced or upper level courses sooner in high school.

### Who Takes Advanced, Advanced Placement (AP) and College/Dual Credit (DC) Courses?

- Advanced and dual credit courses are open to all students who have the prerequisites and have the interest, academic background, and study skills to succeed.
- Students who took required high school courses through accelerated classes at the middle school level need to substitute those credits with higher level courses.
- Students may take an advanced track in one content area but not another area.

- Some options are appropriate for only a small number of extremely able learners who need highly advanced work. Other students can do well in their areas of strength or intense interest. Quite a number of learners can be successful and should take advanced or dual credit level courses after taking solid courses that provide the appropriate background content and skills.

### Typical Sequence of Courses to Meet the Core Course Graduation Requirements for Students Entering High School in the Fall of 2009

- Courses in bold below indicate Core Course graduation requirements.
- Courses above the dashed line indicate the courses and sequence taken by most students. Advanced level courses below the dashed line can be taken if the requirement was met through an advanced course in 8<sup>th</sup> grade or if it is a more advanced level of the requirement.
- DC means Dual Credit (College credit) class; AP means Advanced Placement Class

	<b>English</b>	<b>Mathematics</b>	<b>Science</b>	<b>Social Studies</b>
<b>Grade 9</b>	<b>English 9</b>  Advanced English 9 -----	<b>Algebra</b>  Geometry Advanced Algebra 2 Advanced -----	<b>Physical Science</b>  Biology Chemistry -----	<b>World History</b> 1 or 2 semesters  World History (AP)-AL -----
<b>Grade 10</b>	<b>English 10</b>  Advanced English 10  -----	<b>Geometry</b>  Algebra 2 Advanced Geometry Advanced Pre-Calculus with Trigonometry Pre-Calculus (DC)  -----	<b>Biology</b>  Biology with Lab (AP) General Biology with Lab I & II (DC) - AL Chemistry with Lab (AP)-AL General Chemistry I & II with Lab (DC) - AL Physics with Lab (AP)-AL -----	<b>US History</b>  <b>Psychology Foundations</b> <b>Sociology</b> US History (AP)  -----
<b>Grade 11</b>	<b>English 11</b>  Composition I & II (DC) Language and Composition (AP)	<b>Math Analysis or Algebra 2</b>  Calculus I Calculus I (DC) Calculus AB (AP)-AL Calculus I/II/ISU (DC) Statistics Statistics (DC)	One of : <b>Physics</b> <b>Chemistry</b> <b>Human Biology</b> <b>Global Science</b>  Additional science course from above	<b>American Government</b> <b>Economics</b>  Psychology Applications Psychology (AP) Introduction to Sociology (DC)
<b>Grade 12</b>	<b>English 12</b>  Literature and Composition (AP)	Students are <i>strongly</i> encouraged to take an additional math elective their senior year	Students are <i>strongly</i> encouraged to take an additional science elective their senior year	American Government & Politics (AP)-AL American Government (DC)-TJ Micro Economics (AP)

### University and College Admission Requirements

The following table shows the academic requirements for admission from some of the universities and colleges that are of interest to many students. It is always to the advantage of the students to take as many of the requirements in high school as possible as well as begin to earn college/dual credit of AP credits that will transfer to their college of choice. This saves a significant amount of time and money, plus it is possible that students get into the courses of their major interest sooner and even graduate earlier than they could otherwise.

## *Building Your Future: Preparing for Academic Success at Iowa's Regent Universities*

	<u>Minimum Requirements for Admission</u>			<u>Optimum Recommendations for Success</u>
	Iowa State University	The University of Iowa	University of Northern Iowa	
<b>FOREIGN LANGUAGE</b>	Two years of a single foreign language for admission to the College of Liberal Arts and Sciences. •Foreign language is not required for admission to the Colleges of Agriculture, Business, Design, Education, Engineering, and Family and Consumer Sciences.	Two years if a single 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.	Four years of a single foreign language. By taking foreign language during all four years of high school, you'll go beyond the basic skills and begin to use the language and reinforce your fluency.
<b>ENGLISH/LANGUAGE ARTS</b>	Four years of English/language arts, emphasizing writing, speaking, reading, as well as an understanding and appreciation of literature.	Four years, with an emphasis on the analysis and interpretation of literature, composition, and speech.	Four years, including one year of composition; also may include one year of speech, communication, or journalism.	Four years of English courses with an emphasis on the communication skills of writing, reading, speaking, and listening and the analysis and interpretation of literature. In addition, courses such as journalism and media literacy are valuable. Activities such as debate, speech contest, newspaper, and yearbook develop essential skills.
<b>MATH</b>	Three years, including one year each 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 2 years of algebra, 1 year of geometry, and 1 year of higher math (analysis, trigonometry or calculus), for admission to the College of Engineering.	Three years, including equivalent of algebra, geometry, and advanced algebra.	Four years, one in every year of high school. While advance courses like calculus and statistics are good, it's more important that you gain a complete understanding of advance algebra and trigonometry.
<b>NATURAL SCIENCE</b>	Three years, including one year each from any two of the following: biology, chemistry, and physics	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 physics, for admission to the College of Engineering.	Three years, including courses in general science, biology, chemistry, earth science, or physics; laboratory experience highly recommended.	Four years, one in each year of high school. To be really well prepared for college, take at least one year each of biology, chemistry, and physics. These can be taken in any order and may be taught productively in either a separate or integrated fashion, depending on your school.
<b>SOCIAL STUDIES</b>	Two years for admission to the Colleges of Agriculture, Business, Design, Education, Engineering, and Family and Consumer Sciences. •Three years for admission to the College of Liberal Arts and Sciences.	Three years, with U.S. history and world history recommended, for admission to the College of Liberal Arts and Sciences. • Two years, U.S. and world history recommended, for admission to the College of Engineering.	Three years, including courses in anthropology, economics, geography, government, history, psychology, or sociology.	Three years is essential, but four is better. Take at least one year of U.S. history and one year of world history. Additional courses in history are recommended, if available. Beyond that, courses such as economics, political science, psychology, sociology, and anthropology provide an important understanding and background.
<b>OTHER COURSES</b>	Specific elective courses are not required for admission to Iowa State University.	Specific elective courses are not required for admission to The University of Iowa.	Two years of additional courses from the required subject areas, foreign languages, or fine arts.	Explore! Courses in fine arts, performing arts, computers, or technology will help round out your experience. Your future career may lie in one of those areas. Follow your interest, your talents, and the strengths of your school. Choose courses with high academic standards.

---

## IV. Student Career & College Plan

---

### Overview of Senate File 2272 Requirements and Process

The Iowa legislature wants to assure all Iowa students have clear, rigorous and relevant curriculum linked to knowledge and skills they will need for success in postsecondary education and careers. Senate File 2272 has two components:

#### Core Curriculum Requirement for All Students

- Senate File 2272 defines core curriculum as 4 years of English/Language Arts, 3 years of Math, 3 years of Science and 3 years of Social Studies required of all students starting with the graduation class of 2011 (4-3-3-3 requirement).
- It requires schools to specify the courses it will accept as the 4-3-3-3 core.
- The intent is to ensure all Iowa graduates have rigorous and relevant curriculum with essential content knowledge and skills within the 4-3-3-3 requirement.
- All students are required to have a Student Core Curriculum Plan for “progress toward university admissions” to include the required 4-3-3-3 core courses and a career component.
- This requirement started with 2005-06 eighth grade (2011 graduates).

#### Description of the Student Career & College Plan

- This plan is to be completed at the end of eighth grade after students have had many career exploration opportunities, including work with the “Choices” career planning software available to all students.
- The plan is a collaborative effort between the student and adults, including counselors, teachers and parents and requires a parent signature.
- It contains an outline of coursework to be taken in grades 9-12 that will meet the Core Course requirements and will include electives that link to a career field of their choice.
- The intention is to help students plan how they will tie their academic preparation and selection of school activities to career planning for postsecondary success.
- The plan will be revisited by the student and counselor throughout high school on a regular basis to determine if the plan needs to be revised.
- Parents will get reports on the progress their son or daughter are making on his/her plan.



## V. Career and Technical Education

### Career Academies

The Career Technical Education programs offer students the opportunity to select from a number of Career Academies that offer a sequence of courses that are taken in the high schools, but provide a solid foundation for post-secondary programs. *Some courses are high school credit only, but in some courses students can earn both high school credit and college credit* (called dual credit) while beginning to focus on a specific career cluster. If students want to take one of the college/dual credit classes they must take the ASSET test and receive qualifying scores as required by Iowa Western Community College. See your counselor for more information and to register to take the test.

The Pre-engineering Academy is open to students in grades 9-12; the other academies are open to students in Grades 10-12 with good academic standing and who are on course to graduate.

*The academies are available to qualified students across the district even if they are housed at particular sites.* The schools will work with you to try to arrange schedules and transportation to accommodate your needs. Some academy sites are located at Abraham Lincoln and Thomas Jefferson. Others are located at the Tucker Career & College Center (815 North 18 Street) where instruction is provided by Iowa Western instructors in a more “work like” environment.

Check out the following Career Academies. Look in the course descriptions for more detail.

Career Academy	Location	What You Can Learn
Medical Health Science	Tucker Career & College Center	Career Exploration and Professionalism Anatomy and Physiology Terminology Job Shadowing Language of Health Care CPR Certification
Networking Technology	Tucker Career & College Center	CISCO Certification Courses: Networking for Home and Small Businesses Working at a Small-to-Medium Business Routing and Switching Designing and Supporting Computer Networks Programming Languages
Engineering (Project Lead the Way)	Abraham Lincoln and Thomas Jefferson High Schools	Principles of Engineering Digital Electronics Introduction to Engineering Design Job Shadowing and Service Learning
Teacher Education Academy	Abraham Lincoln and Thomas Jefferson and Tucker Career & College Center	K-12 Classroom Participation Leadership and Professionalism Communication Iowa Para-educator Generalist Certificate

### Additional Career Technical Programs Offered At Tucker Career & College Center

There are many other great career technical classes that may be of interest that do not fall into one of the specific academies. Many offer dual credit through IWCC.

Look in the course description

Programs	Location	What You Can Learn
Automotive Technology	Tucker Career & College Center	Safety and Shop Practices Brake Systems Engine Design and Systems Technical Math Automotive Lab "Live Shop" Environment
Early Childhood Careers	Tucker Career & College Center	Child Growth and Development Parenting Early Childhood Education
Electronic Media Studies	Tucker Career & College Center	Video Production Audio Production Live Radio Production Digital Photography Multimedia on the Web
Hospitality and Culinary Management	Tucker Career & College Center	Skills and Techniques of Cooking Use of Kitchen Equipment Sanitation and Safety Food Preparation Labs Menus and Dining Service

### Other Career Technical Programs at Abraham Lincoln and Thomas Jefferson

These programs are offered without college credit and do not require ASSET scores. Look in the course descriptions for more detail.

Program	Location	What You Can Learn
Business Marketing and Information Management	Abraham Lincoln and Thomas Jefferson	Accounting Business Computer Applications & web design Consumer Law Entrepreneurship Marketing On-the-job Co-ops Retailing
Computer Education	Abraham Lincoln and Thomas Jefferson High Schools and Kaneshville Academic Center	Computer Applications Computer Programming Publishing Web Design
Family & Human Services	Abraham Lincoln and Thomas Jefferson High Schools and Kaneshville Academic Center	Child Development Clothing and Textiles Fashion Foods
Industrial Technology	Abraham Lincoln and Thomas Jefferson	Construction Drafting Woods Power and Energy Trades in Industry

## Planning for Post-Secondary Success

All students in the Council Bluffs Community School District need to be focused on gaining the knowledge and skills they need to successfully pursue their dreams and passions after graduation. Students need to understand the link between the courses they take and their eventual success in the personal and occupational lives. Setting expectations for themselves and envisioning themselves and their future plans after graduation are important for all students.

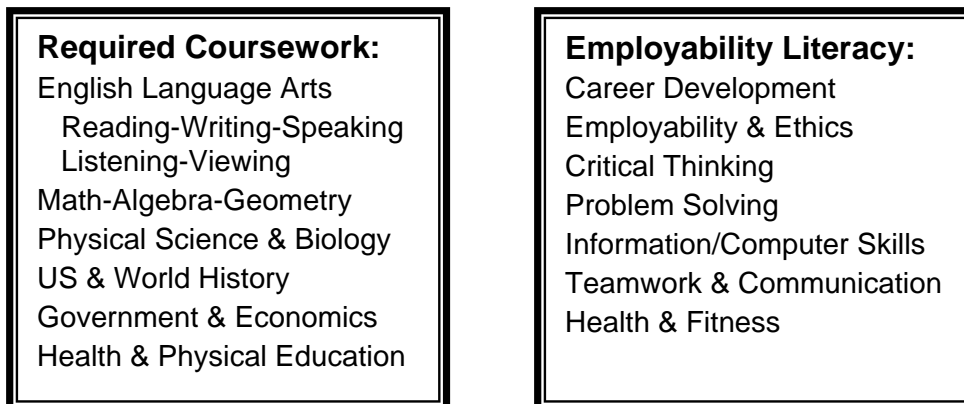
Guidance on exploring potential career interests and aptitudes begins in the intermediate grades. Students in 8<sup>th</sup> grade start work on their individual Career & College Plans and they will continue to revise and use throughout high school. This plan is developed by the student with help from teachers, counselors and parents. It is a plan for how the student will complete the high school core curriculum requirements and elective courses that tie to the student's career field of interest.

Counselors and parents help the student monitor progress on the plan throughout high school. Students who have career guidance and opportunities to plan ahead make sound choices and are better able to position themselves for success in whatever they do. As students progress and learn, plans can be adjusted with the help of counselors.

## Career Fields Foundation

There are skills and knowledge found in certain core courses that lay the foundation for all career fields. They are so critical that they have been designated as graduation requirements for all students. There are other skills and competencies that are critical to seeking, getting and keeping employment. Together, required coursework and employability literacy provide a solid foundation from which students can branch out into career fields to meet their individual needs.

### Foundation Knowledge & Skills for All Careers



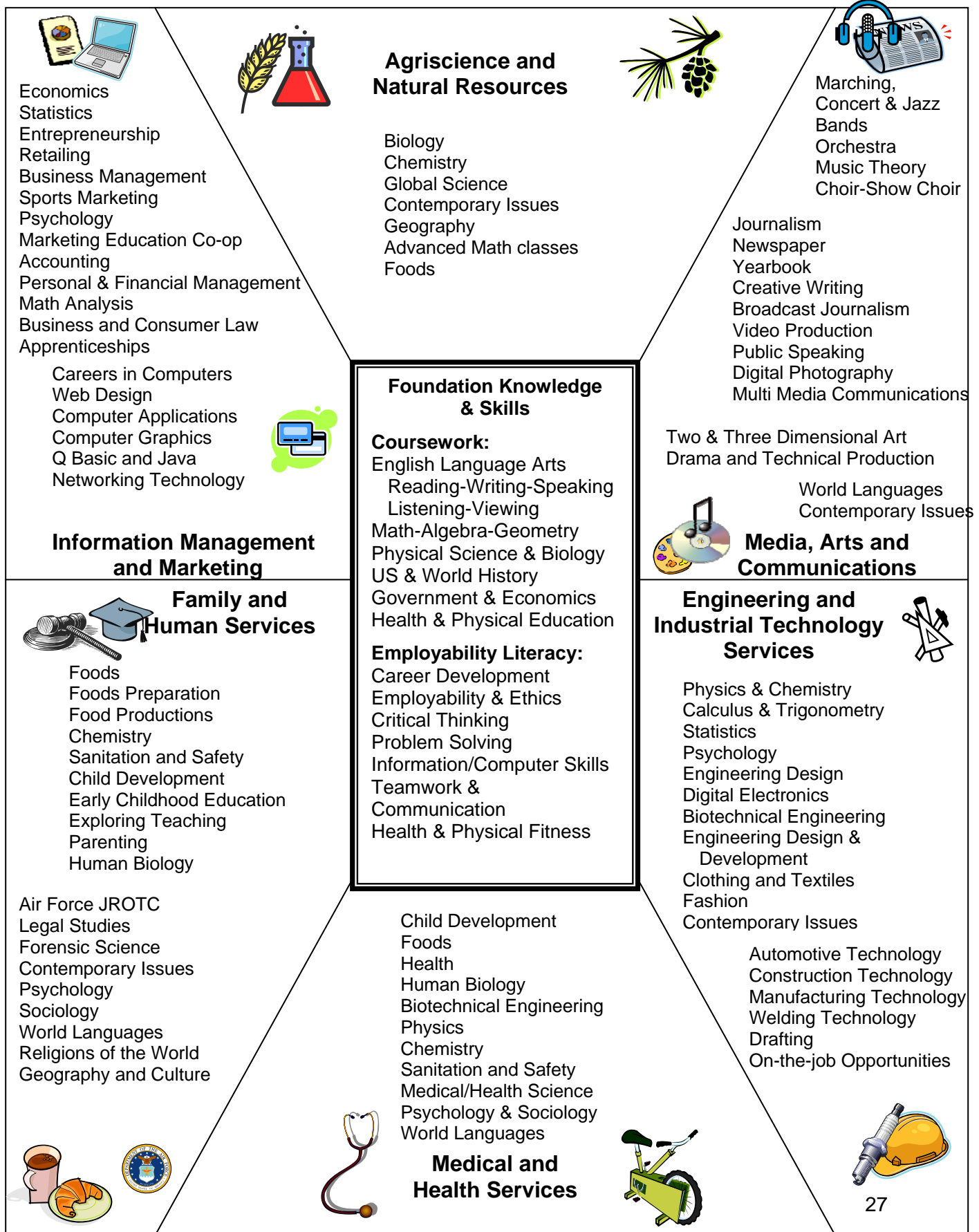
## Coursework Related to Career Fields

On the following page is a diagram that shows that Foundation Knowledge & Skills are at the center of all career fields and essential for success. In the six areas surrounding the center are examples of the types of course offerings in Council Bluffs Schools from which students may want to choose based on a specific career field of interest. The chart demonstrates that a number of departments may offer electives of interest in a given field, and students should not limit themselves to looking in a single department.

## Career Fields Represented

- Agriscience and Natural Resources
- Engineering and Industrial Technology Services
- Family and Human Services
- Information, Management, and Marketing
- Media, Arts and Communications
- Medical and Health Science

**Council Bluffs Community School District**  
**Figure 1. Examples of Coursework Related to Career Fields**



---

## VI. Courses by Department

---

### Pages 29-30 List of Course Titles by Department.

This list provides a quick overview of all the courses to help locate the courses of interest.

### Pages 31-65: Course Descriptions

#### KEY:

- Title:** (AP) after a title indicates the course is Advanced Placement, (DC) indicates a dual credit course.
- Location:** Locations are AL for Abraham Lincoln HS, TJ for Thomas Jefferson HS, or Tucker Career Center. Classes
- Course code number:** Used for Registration Purposes
- Length:** Designation of semester or year may vary if a section is offered in a double block
- Pre-requisite:** Indicates whether there are limitation for getting into the course such as ASSET test scores or other course or grade level limits
- Description:** Course content and expectations

#### Course Description by Department

Air Force JROTC .....	31
Art .....	32
Engineering: Project Lead the Way .....	33
Engineering, Industry and Technology Services .....	34
Education Options.....	37
Family and Human Services.....	37
Business, Information, Management and Marketing ...	40
Language Arts/Literacy .....	45
Mathematics .....	48
Media and Communications.....	51
Medical and Health Science .....	53
Music .....	54
Physical Education.....	56
Science .....	57
Social Studies .....	60
World Languages .....	63

---

## Air Force JROTC

---

Air Force JROTC-AS1  
Air Force JROTC-AS2  
Air Force JROTC-AS3  
Air Force JROTC-AS4  
Air Force JROTC Drill AS1  
Air Force JROTC Drill  
Air Force JROTC Rifle AS1  
Air Force JROTC Rifle

---

## Art

---

Art Foundations  
Two-Dimensional Art Intermediate  
Three-Dimensional Art Intermediate  
Two-Dimensional Art Advanced  
Three-Dimensional Art Advanced

---

## Engineering: Project Lead the Way

---

Principles of Engineering Design  
Introduction to Engineering Design  
Digital Electronics  
Biotechnical Engineering

---

## Engineering, Industry & Technology

---

Foundations of Technology  
Automotive Maintenance and Repair  
Automotive Technology 1 (DC)  
Automotive Technology 2 (DC)  
Automotive Technology 3 (DC)  
Automotive Technology 4 (DC)  
Architectural Drafting/CAD Technology  
Building Technology 1  
Building Technology 2  
Building Technology 3  
Welding Technology 1  
Welding Technology 2  
Trades & Industry Co-op  
Trades & Industry Related

---

## Educational Options

---

Drivers Education

---

## Family & Human Services

---

Foods 1  
Foods 2  
H & C Food Prep and Sanitation (DC)  
H & C Baking (DC)  
H & C Dining Service (DC)  
H & C Food Prep and Sanitation Lab (DC)  
Child Development Prenatal to Infant  
Child Development Toddler to Teen  
Exploring Teaching  
Parenting  
Child Growth & Development (DC)  
Intro to Early Childhood Education: (DC)  
CDA Certification  
Clothing & Textiles  
Fashion  
Trades & Industry Co-op

---

Trades & Industry Related

---

## Business Info, Management, Marketing

---

Introduction To Business  
Business Management  
Business and Consumer Law  
Personal and Financial Management  
Accounting 1  
Accounting 2  
Entrepreneurship  
Principles of Marketing  
Principles of Sports Marketing  
Retailing  
Computer Use & Applications  
Computer Graphics  
Introduction to Web Design  
Introduction to Computers (DC)  
Introduction to Programming with QBasic  
Visual Basic Programming  
Java Programming  
Java Web Applications  
CCNA1: Network for Home & Small Business (D  
CCNA2: Work at Small/Medium Bus. or ISP (DC  
CCNA3: Routing and Switching (DC)  
CCNA4: Design & Support Comp Network (DC)  
Business Apprenticeship Co-op  
IJAG  
IJAG - Co-op  
Business Apprenticeship Related  
Marketing Education Co-op  
Marketing Education Related

---

## Language Arts

---

TJ Reads  
English 9  
English 9 Advanced  
English 10  
English 10 Advanced  
English 11  
English 11 Advanced  
English 12  
Composition I & II (DC)  
Literature and Composition (AP)  
Language and Composition (AP)  
Creative Writing Introduction  
Creative Writing Workshop  
Drama I  
Drama II  
Technical Theatre/Production  
Public Speaking (DC)  
English Language Development 1 (Beginning)  
English Language Development 2 (Adv Beginnin  
English Language Development 3 (Interm)  
English Language Development 4 (Adv Interm)  
English Language Development 5 (Proficient)

---

## Mathematics

---

Algebra 1  
Algebra 2

Algebra 2 Advanced  
Geometry  
Geometry Advanced  
Math Analysis  
Pre-Calculus with Trigonometry  
Pre Calculus (DC)  
Calculus I  
Calculus I (DC)  
Calculus AB (AP)  
Calculus I/II/ISU (DC)  
Discrete Mathematics  
Statistics  
Statistics (DC)

---

### **Media & Communications**

---

Introduction to Journalism  
Broadcast Journalism  
Newspaper Journalism  
Newspaper Editing and Management  
Yearbook Journalism  
Yearbook Editing and Management  
Multimedia & Digital Communications  
Digital Photography  
Introduction to Video Production (DC)  
Trades & Industry Co-op  
Trades & Industry Related

---

### **Medical & Health Sciences**

---

Health Foundations  
Health Applications  
Health Science 1-2 (DC)  
Health Science 3-4 (DC)

---

### **Music**

---

Concert Band/Marching Band  
Beginning Jazz Band  
Varsity Jazz Band  
Freshmen Orchestra  
Symphonic Orchestra  
Mixed Choir  
Concert Choir  
Varsity Choir  
Beginning Show Choir  
Advanced Show Choir  
Music Theory Introduction  
Music Theory (AP)

---

### **Physical Education**

---

Introduction to Physical Education  
Physical Education  
Cross Training  
Team Sports & Fitness  
Intro to Strength and Conditioning  
Strength and Conditioning  
Independent Study Physical Education

---

### **Science**

---

Physical Science  
Biology  
Biology with Lab (AP)

General Biology I with Lab (DC)  
General Biology II with Lab (DC)  
Human Biology w/Lab  
Chemistry  
Chemistry (AP)  
General Chemistry I w/lab (DC)  
General Chemistry II w/lab (DC)  
Physics  
Physics with Lab (AP)  
Global Science  
Forensic Science

---

### **Social Studies**

---

Ancient World History  
Modern World History  
World History (AP)  
US History  
US History (AP)  
American Government  
American Government & Politics (AP)  
American Government (DC)  
Psychology Foundations  
Psychology Applications  
Psychology (AP)  
Sociology  
Introduction to Sociology (DC)  
Ethics & Philosophy  
Legal Studies Foundations  
Legal Studies Applications  
Geography and Culture  
Religions of the World  
Contemporary Issues  
Economics

---

### **World Languages**

---

Chinese 1  
French 1  
French 2  
French 3  
French 4  
Spanish 1  
Spanish 2  
Spanish 3  
Spanish 4  
Elementary Spanish I (DC)  
Elementary Spanish II (DC)  
Intermediate Spanish I (DC)  
Intermediate Spanish II (DC)

---

## Air Force JROTC

---

### Air Force JROTC-AS1

Meets at AL Year

**Course Number:** AFR-3013

Primarily Grade 9

AS I serves as an introduction to AFJROTC and is normally intended for freshmen. Students in AS I will study the History of Airpower (including the Heritage of Flight, Development of Air Power, Toward Military Aerospace and Contemporary Aviation), and Leadership Education (including the Heritage, Organization and Traditions of the Air Force, Individual Self-Control, Citizenship in the United States and Wellness, Health and Fitness).

### Air Force JROTC-AS2

Meets at AL Year

**Course Number:** AFR-3023

Primarily Grade 10

AS II builds on the foundation of AS I and is normally intended for students with one previous year of AFJROTC experience (sophomores). Students in AS II will study the Science of Flight (including the Aerospace Environment, Human Requirements of Flight, Principles of Aircraft Flight and Principles of Navigation), and Leadership Education (including Effective Communication Skills, Understanding Individual Behavior, Understanding Group Behavior and Basic Leadership Concepts).

### Air Force JROTC-AS3

Meets at AL Year

**Course Number:** AFR-3033

2 years previous AFJROTC experience

AS III begins to develop the leadership capabilities of the student and look at life beyond high school. It is normally intended for students with two previous years of AFJROTC experience (juniors). Students in AS III will study the Exploration of Space (including an Introduction to Space Exploration, Orbits and Trajectories, Spacecraft and Launch Vehicles, and Mission Operations and Management), and Leadership Education (including Choosing Your Path, The Job Search, Financial Planning and Career Opportunities).

### Air Force JROTC-AS4

Meets at AL Year

**Course Number:** AFR-3043

3 years previous JROTC experience

AS IV seeks to place students in leadership positions within the AFJROTC organization and allows them to gain practical experience in leadership and accomplishing mission objectives. It is normally intended for students with three previous years of AFJROTC experience (seniors). Students in AS IV will focus on management of the Cadet Corps (including Management Techniques, Management Decisions, Management Functions, and Managing Self and Others).

### Air Force JROTC Drill AS1

Meets at AL Year

**Course Number:** AFR-3053

Prerequisite: Grade 9 or no experience.

Drill AS I is intended for freshmen/students with no drill team experience. The focus is on basic drill and ceremonies, with performances centered on regulation marching drill. Students enrolled in this class must also enroll in at least one of the regular AFJROTC classes (AS1, AS2, AS3, or AS4).

### Air Force JROTC Drill

Meets at AL Year

**Course Number:** AFR-3063

Prerequisite: Grades 10-12, previous experience.

Drill is intended for sophomores and higher/students with previous drill team experience. The focus is on more elaborate drill and marching performances, some involving student-designed free-style (exhibition) drill maneuvers. Students enrolled in this class must also enroll in at least one of the regular AFJROTC classes (AS1, AS2, AS3, or AS4).

**Air Force JROTC Rifle AS1**

Meets at AL Year

**Course Number:** AFR-3073

Prerequisite: Instructor Recommendation.

Rifle AS I is intended for highly-qualified (instructor determined) freshmen/students with no drill or rifle team experience but who display a higher-than-average ability to perform rifle maneuvers. The focus is on basic rifle manual of arms (requiring a strong foundation in basic drill and ceremonies) with performances centered on regulation rifle manual and maneuvers. Students enrolled in this class must also enroll in at least one of the regular AFJROTC classes (AS1, AS2, AS3, or AS4). Instructor Recommendation.

**Air Force JROTC Rifle**

Meets at AL Year

**Course Number:** AFR-3083

Grades 10-12 with previous experience

Rifle is intended for sophomores and higher/students with previous rifle team experience. This is the most advance drill/rifle team. The focus is on more elaborate rifle manual of arms maneuvers, including student-designed free-style (exhibition) rifle manual maneuvers. Students enrolled in this class must also enroll in at least one of the regular classes (AS1, AS2, AS3 or AS4).

**Two-Dimensional Art Intermediate**

AL /TJ Semester

**Course Number:** ARV-3020

Prerequisite: Art Foundations

Students will continue to develop skills and understanding in the use of pencil, pastels, pen/ink, watercolors, and acrylics. Compositional techniques will be stressed, as well as further knowledge in art history, aesthetics, and evaluation. The student's own interpretation and treatment of the subject is encouraged.

**Three-Dimensional Art Intermediate**

AL /TJ Semester

**Course Number:** ARV-3040

Prerequisite: Art Foundations

Students will continue to develop skills and understanding in the use of three-dimensional media. New techniques will be stressed as well as further knowledge in art history, aesthetics, and evaluation. The student's own interpretation and treatment of the subject is encouraged.

**Two-Dimensional Art Advanced**

AL /TJ Year

**Course Number:** ARV-3033

Prerequisite: Two-Dimensional Art: Intermediate

This course will focus on providing the advanced student in-depth experience in two-dimensional art. This student will build upon the basic concepts, vocabulary, and skills of a given media from previous art classes. In addition to teacher-assigned course work, students may have the opportunity to develop an individual program of study with the teacher to meet the needs and interests of the student. The class may include field trips and guest speakers, depending on availability.

---

## Art

---

**Art Foundations**

AL /TJ Semester

**Course Number:** ARV-3010

Grades 9-12

An exploratory class for all students and abilities. Students will be introduced to a wide range of media in the creation of both two and three dimensional art.

### Three-Dimensional Art Advanced

AL /TJ

Year

**Course Number:** ARV-3053

Prerequisite: Three Dimensional Art Intermediate

This course will focus on providing the advanced student in-depth experience in three-dimensional art. This student will build on the basic concepts, vocabulary, and skills of a given media from previous art classes. In addition to teacher-assigned course work, students may have the opportunity to develop an individual program of study with the teacher to meet the needs and interest of the student. The class may include field trips and guest speakers depending on availability.

### Introduction to Engineering Design

AL /TJ

Year

**Course Number:** EG--3043

Prerequisite: Successful completion of Algebra I with proficient math scores on standardized tests (ITED, PLAN, ACT). Grades 9-12

This is an introductory course for the engineering academy. This course develops student problem solving skills, with emphasis placed upon the concept of developing a 3-D model or solid rendering of an object. Students focus on the application of visualization processes and tools provided by modern, state-of-the-art computer hardware and software. An introduction in manual drafting techniques will also be developed and exercised. This course will emphasize the design development process of a product and how a model of that product is produced, analyzed, and evaluated, using a CAD system. Various design applications will be explored with discussion of possible career opportunities.

---

## Engineering: Project Lead the Way

---

### Principles of Engineering Design

AL /TJ

Year

**Course Number:** EG--3053

Prerequisite: Successful completion of Algebra 1 with proficient math scores on standardized tests. Currently enrolled in college prep math course. Grades 10-12

This course provides an overview of engineering and engineering technology. Students develop problem-solving skills by tackling real-world engineering problems. Through theory and practical hands-on experiences, students address the emerging social and political consequences of technological changes.

### Digital Electronics

AL

Year

**Course Number:** EG--3033

Prerequisite: Successful completion of Algebra I, concurrently enrolled in Algebra 2. Grades 10-12

A course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices.

### Biotechnical Engineering

AL

Year

**Course Number:** EG--3023

Prerequisite: Successful completion of Biology or Biology/Chemistry-Advanced, Chemistry, Algebra 1. Grades 10-12

Relevant projects from the diverse fields of biotechnology, bio-engineering, bio-medical engineering, and bio-molecular engineering enable students to apply and concurrently develop secondary-level knowledge and skills in biology, physics, technology, and mathematics.

---

## Engineering, Industry & Technology

---

### Foundations of Technology

AL /TJ

Semester

**Course Number:** ENE-3060

Grades 9-10

Foundations of Technology is an action-based engineering and technology course emphasizing design and problem solving techniques, and understanding the following technical systems: transportation, manufacturing, communication, construction, and bio-technologies. In this course students develop an understanding of how these systems evolved, are utilized, and the significance that they have in our history and at the present time. Students will investigate careers and training regarding jobs including aptitude interest inventory, job opportunities (state/area/community), salaries, and job conditions. Students will also be trained on work skills and practices according to the Iowa CTE content standards of the 13 Essential Skills

### Automotive Maintenance and Repair

TJ

Year

**Course Number:** ENE-3083

Grades 9-12

Automotive Technology provides the student with knowledge of basic automotive mechanics. This course offers hands on experience to give the student the opportunity to use shop tools and instruments. Safety procedures area always stressed. Insight into careers relative to transportation and the automotive industry is provided.

### Automotive Technology 1 (DC)

Tucker Career & College Center

Semester

**Course Number:** ENTD5020

Prerequisite: Qualifying Reading Score: ASSET 38, ACT 16. Grades 11-12

This course includes instruction in mechanical systems of the automobile plus IWCC credit for AUT 503 Brake Systems. Brake Systems is based upon Ford's MLR brake curriculum. This course provides instruction and hands on activities in vehicle braking systems and service. Operation and component information for all types of braking systems as well as anti-lock brakes and traction/stability controls is presented. Service operations and diagnosis procedures are also covered. Aut 112 Shop Practices is designed to provide instruction and hands on instruction in the following areas: shop safety, tool and equipment usage, common shop practices, fasteners and tightening techniques, measurement, and references. IWCC AUT 503, AUT 112

### Automotive Technology 2 (DC)

Tucker Career & College Center

Semester

**Course Number:** ENTD5030

Prerequisite: Pass Auto Tech 1 w/C grade of higher/Qualifying Reading score: ASSET 38, ACT 16

Automotive Engine Design and Systems provides an in-depths study of engine designing, operation, theory, lubrication, and cooling systems. Minor diagnostic and repair are presented. Applied mathematics emphasizes the use of basic computational and algebraic skills in problem solving. Students practice using mathematical principles in new situations with course specific material related to their individual career programs. Techniques involve interpreting, analyzing, mathematical data in problem solving. IWCC AUT 155, MAT 743

### **Automotive Technology 3 (DC)**

Tucker Career & College Center Semester

**Course Number:** ENTD5040

Prerequisite: Pass Auto Tech 2 w/C grade or higher/Qualifying Reading score: ASSET 38, ACT 16

Labs allow students to build production skills, build confidence in their ability to diagnose and repair vehicles and reinforce skills learned in other courses. Use of a "live lab" environment helps students to achieve job entry competency levels. Students perform a wide variety of diagnostic tests, adjustments and overhaul/repairs on customer and college-owned units. IWCC AUT 881

### **Automotive Technology 4 (DC)**

Tucker Career & College Center Semester

**Course Number:** ENTD5050

Prerequisite: Pass Auto Tech 3 w/C grade or higher/Qualifying Reading score: ASSET 38, ACT 16

Labs allow students to build production skills, build confidence in their ability to diagnose and repair vehicles and reinforce skills learned in other courses. Use of a "live lab" environment helps students to achieve job entry competency levels. Students perform a wide variety of diagnostic tests, adjustments and overhaul/repairs on customer owned units. IWCC AUT 882

### **Architectural Drafting/CAD Technology**

AL /TJ Semester

**Course Number:** ENE-3010

Grades 9-12

Students will learn methods and standards used by industry to create plans for construction and manufacturing projects. Lettering, sketching, geometric construction, multi-view and pictorial drawing, and dimensioning will be covered. Computer aided drafting will also be used. This course will be an asset in reading blueprints in all industrial technology classes.

### **Building Technology 1**

AL /TJ Semester

**Course Number:** ENA-3010

Grades 9-12

This is an exploratory course designed to provide students foundational learning opportunities in various aspects of production shop and construction site technology, including the reading of measurements, the interpretation of plans, the practice of workshop and work site safety, the identification and selection of materials, the operation and care of hand and power tools, and the building of small projects/products, as well as the making of model buildings and/or other structures.

### **Building Technology 2**

AL /TJ Semester

**Course Number:** ENA-3020

Prerequisite: Building Technology 1

Building Construction is a class designed to focus on building and maintenance of structures along with exposure to career possibilities related to construction. The use of tools and power equipment is part of the class. There are many hands-on activities that simulate real-life applications. Some of the areas that may be covered will be wall framing, electrical wiring, plumbing, and drywall. Students may also explore areas of interest in more depth by working in career modules, such as bricklaying, sheet metal, air-conditioning/refrigeration, tile setting, and others.

### **Building Technology 3**

AL /TJ Semester

**Course Number:** ENA-3030

Prerequisite: Building Technology 2. Grades 10-12

Advanced Building Construction is designed to give the student an opportunity to build on existing skills in construction. Activities in this class may include building a shed or garage, remodeling a basement, siding a house, and others. The course may partner with Habitat for Humanity and build a house within the community. Many of these projects would be built off campus and require students to provide transportation. A student taking this class is also expected to be a model student while traveling to and from the work site, along with demonstrating proper respect and work habits at the worksite.

### **Welding Technology 1**

Tucker Career & College Center Semester

**Course Number:** ENM-3050

Grades 10-12

Introduction to Welding Technology is a course designed for students who have a desire to explore the basics of metal fabrication. The intent of the course is to explore the tools, materials, processes, and safety of the welding field. Areas of study are shielded metal arc (stick), metal inert gas (MIG), tungsten inert gas (TIG), and oxyacetylene welding processes. Plasma arc and flame cutting of metals will also be studied. This course will provide the serious student with the skills for developing and improving many occupational and areas of interest.

### **Welding Technology 2**

Tucker Career & College Center Year

**Course Number:** ENM-3073

Prerequisite: Welding Technology 1

Welding 2 will provide serious students with entry level or above skills and technical knowledge necessary for a welding career. This class gives the students an in-depth background in welding fundamentals. Oxyacetylene, Shielded Metal-Arc Welding, Metal Inert Gas (MIG) Welding, Tungsten Inert Gas Welding (TIG), as well as flame and plasma arc cutting will be practiced in the flat, horizontal, and vertical portions. Welding symbols and blue print reading will cover the basic fundamentals in interpreting blue prints and applied to the welding trade. The welding student also has the option to become American Welding Society (AWS) qualified in the MIG and Shielded metal-arc welding process. Suggested elective classes to take for a good background in Welding are Drafting and Foundations of Technology.

### **Trades & Industry Co-op**

AL /TJ Year

**Course Number:** ENM-3083

Grade 12

For seniors who wish to pursue an occupation while completing the last year of high school. Students apply for permission to have released time from school to work and will receive two credits per semester for this on-the-job training. A few examples of occupations in which these students may participate include the following: auto body repair, carpentry, mechanics, welding, food service, child care, nursing homes, and grocery stores. They are evaluated quarterly by their supervisor at the job site. Students must be concurrently enrolled in Trades & Industry Related.

### **Trades & Industry Related**

AL /TJ Year

**Course Number:** ENM-3093

Grade 12

This course combines classroom instruction with skilled on-the-job training in the areas of Medical Health Sciences, Engineering and Industrial Technology, Media Communications, Family and Human Services, and Information Management and Marketing. In the school based learning part of the course, emphasis is placed on team development, quality service and products, customer satisfaction, employment acquisition, career analysis, safety standards, and leadership. Skills reinforced in this course are technical mathematics, measuring, reading, writing, and communication skills. Work-based learning strategies appropriate for this course include cooperative education and apprenticeships. Hands-on work experiences provide many opportunities to enhance classroom instruction and career development. Students must be concurrently enrolled in Trades & Industry Co-op.

---

## Educational Options

---

### Drivers Education

AL /TJ

Semester

**Course Number:** EOD-0010

Prerequisite: (1) Must be 14 years old and have a valid Learner's Permit; (2) Due to State of Iowa time requirements, any absence must be made up prior to course completion.

This class which meets during the school day provides Drivers Education in three phase. Each student is scheduled into classroom sessions where driving rules and strategies are discussed, driving simulation that gives the student the opportunity to experience on film situations that may occur in everyday driving, and in car instructions to acquaint the student with real world driving decisions. In addition to this course students in Council Bluffs may take Drivers Education through Drive Tek. These classes convene before and after school and during the summer.

---

## Family & Human Services

---

### Foods 1

AL /TJ

Semester

**Course Number:** FHH-3010

Grades 9-12

This introductory course acquaints the student with the kitchen and basic food preparation techniques. Included is the study of nutrition in relation to self, family and friends, and the food pyramid. Students learn proper food handling procedures, measuring and use of equipment. A variety of foods are prepared in a lab group setting, allowing students hands-on experience in cooking.

### Foods 2

AL /TJ

Semester

**Course Number:** FHH-3020

Prerequisite: Foods 1

The course offers the student an opportunity to further develop abilities in the areas of food preparation, meal planning, nutrition study, ethnic and regional foods, and management skills.

### H & C Food Prep and Sanitation (DC)

Tucker Career & College Center

Semester

**Course Number:** FHHD5050

Prerequisite: Foods 1, Junior or Senior standing, Qualifying Reading score: ASSET 38, ACT 16.

Food Preparation I introduces students to basic cooking principles. Topics include an overview of kitchen equipment, safety, sanitation and basic preparation methods that include soups, salads, sandwiches, breakfast items, vegetables and starches. Students will be exposed to the hospitality industry through textbook work and customer experiences. Students will be required to purchase a chef's coat and cap (approximately \$35) and wear appropriate shoes. IWCC HCM 137, HCM 100

### H & C Baking (DC)

Tucker Career & College Center

Semester

**Course Number:** FHHD5030

Prerequisite: Foods 1, H & C Food Prep and Sanitation (DC). Junior or Senior standing, Qualifying ASSET score of 38, ACT 16 in Reading, (This course combines 2 IWCC courses).

Culinary Baking (Lab) provides practical application of topics presented in the theory class. Emphasis centers on the use of scaling and baking equipment. Baking projects involve techniques in quick breads, yeast breads, cake donuts, yeast rolls, sweet rolls, coffee cakes, confectionery products and cookies. Students will be required to purchase a chef's coat and cap (approximately \$35) and wear appropriate shoes. Principles of Baking I introduces the fundamental principles involved in the baking process. Emphasis centers on ingredients used, conversion of standard recipes and understanding methods for preparing quick breads, yeast breads, donuts, sweet rolls, roll-in dough, pie dough, pie fillings, cookies and confectionary items. IWCC HCM 111, HCM 113

### **H & C Dining Service (DC)**

Tucker Career & College Center Semester

**Course Number:** FHHD5040

Prerequisite: Foods 1, Junior or Senior standing,  
Qualifying Reading score: ASSET 38, ACT 16.

Dining Service provides an avenue for personal and professional growth. The areas surveyed include grooming, appearance, attitude and behavior. Related topics include setting up for service, serving the customer, taking orders and cashiering that occur in catering functions and gourmet dinners. Students assess how national organizations and global concerns affect careers in the hospitality industry. Students will be required to wear appropriate attire for the catering and dinner occasions. IWCC HCM 200

### **H & C Food Prep and Sanitation Lab (DC)**

Tucker Career & College Center Semester

**Course Number:** FHHD5060

Prerequisite: Completion of H & C Food Prep and Sanitation with a grade of "C" or higher. Qualifying Reading score: ASSET 38, ACT 16

This course provides lab experience for H & C Food Prep and Sanitation. Students are introduced to basic skills and techniques of cooking. Students prepare food items in the various stations of the professional kitchen, rotating through the kitchen to practice proper use of equipment, safety, sanitation, and to produce basic quality menu items. Students prepare to serve the customer by practice in catering and dining room service. Some job shadowing experiences may be available. IWCC HCM 142

### **Child Development Prenatal to Infant**

AL /TJ Semester

**Course Number:** FHS-3010

Grades 9-12

This class deals with the physical, social, emotional and intellectual development of children through age one. It will examine teen pregnancy and parenthood, pregnancy and prenatal development, childbirth, care of a newborn, infant development, child care, child safety, and careers working with children. Students interested in child-care careers, early childhood education, or becoming a parent would benefit from this class.

### **Child Development Toddler to Teen**

AL /TJ Semester

**Course Number:** FHS-3020

Grades 9-12

This course explores the physical, intellectual, social and emotional development of children from age one to adolescence. Students will learn practical skills to help children develop to their fullest potential. A variety of guest speakers and hands on activities will enable students to observe and understand children and their development. Various careers relating to children will be explored. Students interested in child-care careers, early childhood, elementary or secondary education, or becoming a parent would benefit from this class.

### **Exploring Teaching**

AL /TJ Year

**Course Number:** FHE-3013

Grades 11-12

As part of the Teacher Career Academy, the Exploring Teaching Course provides students with the opportunity to explore the teaching Profession through discussion, reflection and participation in K-12 classrooms. The components of the class will include the following: The role of schools and educators in communities and society at large; the process of developing an understanding of how students learn and combining that with strategies for meeting educational goals; the important role of communication, collaboration and decision making within the teaching profession; the use of technology in education. The course will also include a variety of field experiences and the opportunity to participate in a professional organization. Upon the successful completion of the one year course, students will be eligible to apply for the Iowa Para-educator Generalist Certificate.

## Parenting

AL /TJ

Semester

**Course Number:** FHS-3030

Grades 9-12

This course focuses on the variety of roles and responsibilities parents in our society assume with their children. Students will examine parenting practices such as nurturing, communication, discipline and guidance to develop knowledge and skills that will help them in parenting roles now and in their future. It is a valuable course for both males and females to develop effective parenting skills. Students interested in education, medicine or other child-related careers, would benefit from this class.

## Child Growth & Development (DC)

Tucker Career & College Center

Semester

**Course Number:** FHSD5050

Prerequisite: Introduction to Early Childhood Education: Junior or Senior Qualifying Reading score: ASSET 38, ACT 16

Childhood Development focuses on the dynamics of growth from prenatal to school age. It examines cognitive, physical and social/emotional development, providing a practical understanding of the needs that correspond to each developmental level. Students evaluate and clarify their views of children in the context of family, school, community, and culture. IWCC ECE-170

## Intro to Early Childhood Education: (DC)

Tucker Career & College Center

Semester

**Course Number:** FHSD5040

Prerequisite: Child Dev: Prenatal and Infant or Child Dev: Toddler to Teen, Junior or Senior. Qualifying Reading score: ASSET 38, ACT 16

Introduction to Early Childhood Education is a historical and philosophical foundation of the field of early childhood and how these influence best practice. Also included is an overview of current trends and career fields in early childhood. IWCC ECE 103

## CDA Certification

Tucker Career & College Center

Year

**Course Number:** FHE-3023

Prerequisite: Introduction to Early Childhood Education and Child Growth and Development

The CDA (Child Development Associate) certification identifies skills that are necessary for qualified early childhood care and education professionals. Students will demonstrate their ability and knowledge in the six competency goals identified by The Council for Early Childhood Professional Recognition. This certification and knowledge base will move you up the pay scale ladder in most early childhood settings. Students will prepare a professional resource file that demonstrates their knowledge of early childhood education, take part in an oral interview conducted by a representative from the Council for Professional Recognition and take a written exam administered by the representative from the Council.

## Clothing & Textiles

AL /TJ

Semester

**Course Number:** FHO-3010

Grades 9-12

Students study basic textile and fabric selection, use and care of the sewing machine, and construction techniques. Students are encouraged to modify projects according to interests and needs. Students will need to purchase supplies for three projects.

## Fashion

AL /TJ

Semester

**Course Number:** FHO-3040

Grades 9-12

Students will study line, design, color, fibers and fabrics as part of their own personal clothing choices in this course. Students will consider their personal body type and coloring to ultimately make the most complementary clothing selections. Students will see how clothing designers, past and present, as well as the fashion industry, influence what clothes they choose from the marketplace. Students will investigate how fibers are made, and finishes that affect them and the wide variety of end results. Lastly, students examine a variety of careers in the fashion industry.

## Trades & Industry Co-op

AL /TJ

Year

**Course Number:** FH--Use Code:ENM-30833

Grades 12

For seniors who wish to pursue an occupation while completing the last year of high school. Students apply for permission to have released time from school to work and will receive two credits per semester for this on-the-job training. A few examples of occupations in which these students may participate include the following: auto body repair, carpentry, mechanics, welding, food service, child care, nursing homes, and grocery stores. They are evaluated quarterly by their supervisor at the job site. Students must be concurrently enrolled in Trades & Industry Related.

## Trades & Industry Related

AL /TJ

Year

**Course Number:** FH--Use Code:ENM-30933

Grade 12

This course combines classroom instruction with skilled on-the-job training in the areas of Medical Health Sciences, Engineering and Industrial Technology, Media Communications, Family and Human Services, and Information Management and Marketing. In the schoolbased learning part of the course, emphasis is placed on team development, quality service and products, customer satisfaction, employment acquisition, career analysis, safety standards, and leadership. Skills reinforced in this course are technical mathematics, measuring, reading, writing, and communication skills. Work-based learning strategies appropriate for this course include cooperative education and apprenticeships, through Trades & Industry Co-op. Hands-on work experiences provide many opportunities to enhance classroom instruction and career development. Students must be concurrently enrolled in Trades & Industry Co-op.

---

## Business Info, Management, Marketing

---

### Introduction To Business

AL /TJ

Semester

**Course Number:** IMB-3010

Grades 9-10

Introduction to Business is a basic introduction to the business world. Students learn their role in the economic system. Business cycles, supply and demand, exports and imports, business ethics, starting your own business, and business communication skills will be covered. This is a perfect introduction to the department's business programs.

### Business Management

AL /TJ

Semester

**Course Number:** IMM-3010

Grades 11-12

This course is designed to provide a solid foundation to the business world; how it operates and is managed. Basic business principles will help the student to enter the work force or college. Topics include business characteristics, forms of ownership, finance, and management. The one semester course is a prerequisite or co-requisite for the Marketing Education Program.

### Business and Consumer Law

AL /TJ

Semester

**Course Number:** IMB-3020

Grades 9-12

This course is designed to help students develop an appreciation for law and a practical understanding of the legal framework in which individuals function - personal, social, and business. Topics include: law enforcement, judicial court system, minor and consumer rights, contracts, and insurance.

### **Personal and Financial Management**

AL /TJ

Semester

**Course Number:** IMX-3010

Grades 11-12

This program prepares students to live successfully in the real world. The course of study includes: banking, college entrance, savings, credit, insurance, money management, investing, and more. Resumes and cover letters are also written for job seeking. This class is recommended for junior and senior students.

### **Accounting 1**

AL /TJ

Year

**Course Number:** IMF-3023

Grades 10-12

The student will learn the accounting cycle, which includes journalizing, posting, preparing worksheets, creating financial statements, making adjustments, and closing entries. Microcomputers will be utilized whenever possible to reinforce the textbook/problems. Assignments are similar to work done at a business or in personal life of balancing expenses and available income, and business simulations are used to reinforce this learning process. This course develops invaluable skills needed with our economy as it is today.

### **Accounting 2**

AL /TJ

Year

**Course Number:** IMF-3033

Prerequisite: Accounting 1

Advanced accounting is an extension of Accounting 1 going beyond the fundamentals of accounting providing more vocational competency. This course offers additional work in various types of business, personal and financial transactions, and an increase in simulations and project work to reinforce learning. The student will use computer applications involved in the accounting process. Ethics in business as well as international business topics will be discussed during the course year.

### **Entrepreneurship**

AL /TJ

Semester

**Course Number:** IMM-3020

Grades 10-12

Entrepreneurship is designed to give students the skills to effectively organize, develop, and manage a business. Topics include student assessment of personal skills, the components of the free enterprise system and its place in our global economy, understanding risk management and the concept of risk/reward, marketing, selling, financing, and ethics. Students will develop a written business plan for a business of their choice. (This course covers all career interest areas.)

### **Principles of Marketing**

AL /TJ

Semester

**Course Number:** IMM-3030

Grades 10-12

This course is a pre/co-requisite to the Marketing Ed. Program, but it is open to any sophomore through senior student. Principles of Marketing covers the role of marketing in society, consumer behavior, product management, distribution, pricing concepts, strategic planning and promotional activities within a business environment.

### **Principles of Sports Marketing**

AL /TJ

Semester

**Course Number:** IMM-3040

Grades 10-12

Principles of Sports Marketing is a prerequisite/co-requisite for the total Marketing Education/DECA Program, but is open to any sophomore through senior student. This course is an introduction to the essentials of effective sports marketing, including research, segmentation, product development, pricing, licensing, and communication channels such as advertising, sales promotion, and publicity in the sports and entertainment fields.

**Retailing**

AL /TJ

Semester

**Course Number:** IMM-3050

Grades 10-12

Retailing is a prerequisite or co-requisite for the total Marketing Education/DECA Program, but is open to any sophomore through senior student. The major emphasis of the course centers on free enterprise and its various functions. Units of study include: merchandising, sales promotion, advertising, display, and other related topics.

**Computer Use & Applications**

AL /TJ

Semester

**Course Number:** IMB-3030

Grades 9-10

This class emphasizes using integrated computer applications. Students will become competent in the use of advanced features of word processing, databases, spreadsheets, graphics, and PowerPoint. Integration between the applications and data management will be emphasized.

**Computer Graphics**

AL /TJ

Semester

**Course Number:** IMB-3070

Prerequisite: Grades 9-12

This class is for a student with an interest in computer graphics. It will cover the basic concepts and functions of computer graphic, software, such as Adobe PhotoShop and Adobe Illustrator. Students will learn useful techniques from real-world projects. Images may be created for use in print and digital communication for reports, advertising and web graphics.

**Introduction to Web Design**

AL /TJ

Semester

**Course Number:** IMB-3080

Grades 10-12

Students will create, design, publish, and maintain a website. Students will learn HTML and website authoring software. Design considerations such as usability, download time and aesthetics will be emphasized in the class.

**Introduction to Computers (DC)**

AL /TJ

Semester

**Course Number:** IMID5040

Prerequisite: Computer Use and Applications/Qualifying Reading score: ASSET 38, ACT 16. Grades 11-12

Introduction to computers consists of a hands-on introduction to microcomputer hardware, operating systems and application software. Students enter, modify and manipulate data with word processing, presentation, spreadsheets and database programs. Students should be familiar with the standard keyboard. (CSC110)

**Introduction to Programming with QBasic**

AL /TJ

Semester

**Course Number:** IMI-3010

Prerequisite: Successful completion of Algebra 1 Concurrently taking Geometry. Grades 9-12

Students will use the QBasic programming language to introduce writing computer programs. Emphasis is on problem solving techniques and application of mathematics topics with appropriate programming style. Topics include variables, assignment, input and output statements, looping, decision structures, and sub programs.

**Visual Basic Programming**

AL

Semester

**Course Number:** IMI-3020

Prerequisite: Successful completion of QBasic Programming. Grades 9-12

This course uses the Visual Basic language to improve and refine the concepts used in QBasic. Topics include advanced looping and decision structures, string functions, arrays, sorting, searching, files, subroutines and their applications.

## Java Programming

AL Semester

**Course Number:** IMI-3030

Prerequisite: Completion of a full year of QBasic and Visual Basic courses or teacher recommendation. Grades 10-12

Java is a programming language that allows programs written once to run in multiple operating systems like Microsoft Windows, Apple OS or Linux. This course reviews introductory programming techniques including math operations, input/output, data types, variables, selection and control statements. Advanced topics such as object-oriented programming and graphical user interface design will also be covered. Upon completion of the course, students will be able to write, maintain and debug Java console and window applications. (This class does not cover a similarly named web technology/language, "JavaScript")

## Java Web Applications

AL Semester

**Course Number:** IMI-3090

Prerequisite: Successful completion of Java Programming. Grades 10-12

This course is meant to continue learning the Java programming language while focusing on web applications. Various layers of the J2EE application model will be discussed, including HTML and Java applets, Java Server Pages (JSP) and JavaBeans. A year-long project will investigate the development of a web grade book and an online music store.

## CCNA1: Network for Home & Small Business (DC)

Tucker Career & College Center Semester

**Course Number:** IMID5050

Prerequisite: Algebra 1, Qualifying Reading score: ASSET 38, ACT 16. Grades 11-12

Networking for Home & Small Businesses teaches students the skills needed to obtain entry-level home network installer jobs. It helps students to develop some of the skills needed to become network technicians, computer technicians, cable installers, and help desk technicians. It provides a hands-on introduction to networking and the Internet using tools and hardware commonly found in home and small business environments. Labs include PC installation, Internet connectivity, wireless connectivity, file and print sharing and the installation of game consoles, scanners, and cameras. IWCC NET 222 CCNA1

## CCNA2: Work at Small/Medium Bus. or ISP (DC)

Tucker Career & College Center Semester

**Course Number:** IMID5060

Prerequisite: Networking for Home & Small Businesses/Qualifying Reading score: ASSET 38, ACT 16. Grades 11-12

Working at a Small-to-Medium Business or ISP prepares students for jobs as network technicians. It also helps students develop additional skills required for computer technicians and help desk technicians. It provides a basic overview of routing and remote access, addressing, and security. It also familiarizes students with servers that provide e-mail services, Web space, and authenticated access. Students also learn about soft skills required for help desk and customer service positions. Network monitoring and basic troubleshooting skills are taught in context. After successfully completing CCNA1 and CCNA 2, students are qualified to sit for the new Cisco Certification – Cisco Certified Entry Network Technician (CCENT.) (NET 222) CCNA2

## CCNA3: Routing and Switching (DC)

Tucker Career & College Center Semester

**Course Number:** IMID5070

Prerequisite: Working at a Small-to-Medium Business or ISP/Qualifying Reading score: ASSET 38, ACT 16. Grade 12

Routing and Switching familiarize students with the equipment applications and protocols installed in enterprise networks, with a focus on switched networks, IP Telephony requirements, and security. It also introduces advanced routing protocols such as Enhanced Interior Gateway Routing Protocol (EIGRP) and Open Shortest Path First (OSPF) Protocol. Hands-on exercises include configuration, installation, and troubleshooting. IWCC NET 232 CCNA3

**CCNA4: Design & Support Comp Network (DC)**

Tucker Career &amp; College Center Semester

**Course Number:** IMID5080

Prerequisite: Routing and Switching/Qualifying Reading score: ASSET 38, ACT 16. Grade 12

Designing & Supporting Computer Networks allow learners to progress through a variety of case studies and role-playing exercises, which include gathering requirements, designing basic networks, establishing proof-of-concept, and performing project management tasks. In addition, lifecycle services, including upgrades, competitive analyses, and system integration, are presented in the context of pre-sale support. After successfully completing CCNA1 – CCNA4, students are qualified to take the Cisco Certified Network Associate exam. (NET 242)

**Business Apprenticeship Co-op**

AL /TJ Semester

**Course Number:** IMB-3120

Grade 12

Co-op is a one-year course for students enrolled in Business Education. Students work for pay at a related job for which they receive two credits per semester. Job placement, training, and evaluation is part of this course. The course must be taken concurrently with Business Apprenticeship Related.

**IJAG**

AL /TJ Year

**Course Number:** IMB-3093

Prerequisite: Open to grades 11- 12. Length and Time: 36 weeks (one year); begin in fall only.

Iowa's Jobs for America's Graduates (IJAG) is a full year class for juniors and seniors. IJAG students are given the opportunity to experience work environments through job shadowing, internships, and part-time employment. The IJAG Career Association is a student led organization that fosters leadership, teamwork, community service and citizenship. The Educational Specialist offers assistance and support for twelve months after graduation to ensure a successful school-to-career transition.

**IJAG - Co-op**

AL /TJ Year

**Course Number:** IMB-3103

Prerequisite: Open to grades 11- 12. Length and Time: 36 weeks (one year); begin in fall only.

IJAG students apply to receive credit for a job outside of school.

**Business Apprenticeship Related**

AL /TJ Year

**Course Number:** IMB-3113

Grade 12

This year long course will help prepare students for Business Management and Administration career field. This class includes career exploration, job seeking skills and a variety of topics to help students succeed in the business world.

**Marketing Education Co-op**

AL /TJ Year

**Course Number:** IMM-3073

Grade 12

Co-op is a one-year course for students enrolled in Marketing Education related. Students work for pay at a related job for which they receive two credits per semester. Job placement, training, and evaluation is part of this course.

**Marketing Education Related**

AL /TJ Year

**Course Number:** IMM-3063

Prerequisite: Pre or co-requisites: Principles of Marketing, or Principles of Sports Marketing, or Business Management, or Retailing or Entrepreneurship

This course is designed to prepare students for careers in marketing or a business major in college. Units of study include career planning, advertising, visual merchandising, job seeking skills, human relations to other marketing related topics. The student becomes a member of DECA.

---

## Language Arts

---

### TJ Reads

TJ Year

**Course Number:** LAO-3043

Grades 9-12

This class is required of all students at Thomas Jefferson and is scheduled daily as a regular part of the school day. Students are expected to read material of interest including a variety of both fictions and nonfiction text. Students will be required to log their reading and to participate in activities and conversation in regard to their reading.

### English 9

AL /TJ Year

**Course Number:** LAE-3013

Open to Grade 9

This course is designed for all 9th grade students. It is an integrated language arts program that combines reading, writing, speaking, listening, viewing, and visual/nonverbal communication. Students are expected to read a significant number of books and complete writing assignments using six traits of effective writing (ideas, organization, voice, word choice, sentence fluency, and conventions) and knowledge of text structure. Writing will include narratives, persuasive compositions, technical documents, responses to literature, expository essays, and research reports. Students will develop skills in writing on demand and in using strategies for listening and viewing comprehension.

### English 9 Advanced

AL /TJ Year

**Course Number:** LAE-4013

Prerequisite: Advanced 8th Grade English or by alternate evaluation of advanced qualification.

This is an accelerated integrated language arts program for 9th grade that combines reading, writing, speaking, listening, viewing, and visual/nonverbal communication. Students are expected to read a significant number of books and complete writing assignments using six traits of effective writing (ideas, organization, voice, word choice, sentence fluency, and conventions) and knowledge of text structure. Writing will include narratives, persuasive compositions, technical documents, responses to literature, expository essays, and research reports. Students will develop skills in writing on demand and in using strategies for listening and viewing comprehension.

### English 10

AL /TJ Year

**Course Number:** LAE-3023

Open to Grade 10

This course is designed for all 10th grade students and integrates reading, writing, speaking, listening, and viewing. English 10 includes a survey of American literature and focuses on nonfiction reading and writing with an emphasis on oral communication. Six traits of effective writing (ideas, organization, voice, word choice, sentence fluency, and convention) will be developed through a variety of writing and speaking projects.

### English 10 Advanced

AL /TJ Year

**Course Number:** LA43

Advanced English 9 or by alternate evaluation of advanced qualification.

This is a course for advanced students. It integrates reading, writing, speaking, listening and viewing . It includes a summary of American Literature and focuses on nonfiction reading and writing with an emphasis on oral communication. Six traits of effective writing (ideas, organization, voice, word choice, sentence fluency, and convention) will be developed through a variety of writing and speaking projects. This class will also include work to help prepare students for AP courses.

**English 11**

AL /TJ

Year

**Course Number:** LAE-3033

Open to Grade 11

This course is designed for all 11th grade students. It will help students develop their critical reading, writing, speaking, listening, and viewing skills through the chronological study of American literature. Students will learn a variety of reading strategies and literary analysis skills, and they will apply these strategies and skills as they complete reading assignments. Writing assignments will use the six traits of writing and be analytical and persuasive in nature. In addition, this course will hone students' skills in listening, note taking, vocabulary development, test taking, and group discussion to ensure success after graduation.

**English 11 Advanced**

AL

Year

**Course Number:** LAE-4023

Prerequisite: Juniors who already passed the exam with a 3 or better in Lang & Comp (AP)

This course will be available one year only to place juniors who took Language and Composition (AP) as sophomores and passed the exam at a 3 level or better. This course is intended to prepare students for the AP Literature and Composition course offered senior year. It will help students develop their critical reading, writing, speaking, listening, and viewing skills through the chronological study of American literature. Students will learn a variety of reading strategies and literary analysis skills, and they will apply these strategies and skills as they complete reading assignments. Writing assignments will use the six traits of writing and be analytical and persuasive in nature. In addition, this course will hone students' skills in listening, note taking, vocabulary development, test taking, and group discussion to ensure success after graduation.

**English 12**

AL /TJ

Year

**Course Number:** LAE-3043

Open to Grade 12

This course is designed for all 12th grade students. Students will continue to build skills in reading, writing, speaking, listening, and visual/nonverbal communication to prepare them for post-secondary opportunities. This course will be literature based and emphasize literature of the classical tradition and British literature. There is a focus on formal composition, including a term paper.

**Composition I & II (DC)**

AL /TJ

Year

**Course Number:** LACD5043

Prerequisite: Qualifying Reading Score: ASSET 38, ACT 16. Math scores to be determined. Writing Score: ASSET 41, ACT 20. Grades 11-12

Open to grades 11 and 12. This course will meet the junior or senior English requirement while allowing students to earn college English hours. Composition I focuses on the rhetorical modes and the written expression of ideas. Students learn strategies to generate ideas, to revise for focuses and organization, and to edit for sentence structure, diction, and grammatical correctness. Paragraphs and essays involve literary analysis, informal personal writing, and formal expository writing. Composition II follows Composition I with advanced readings and practice in different kinds of writing, including exposition, argumentation, and critical analysis. This course includes library research and culminates in the presentation of a term paper. ENG 105 Comp I, ENG 106 Comp II

**Literature and Composition (AP)**

AL /TJ

Year

**Course Number:** LAEA5023

Prerequisite: Open to Grade 12

This is a course which focuses on critical response to literature, understanding of literary terms, and exposure to a broad range of readings in regard to style and genre. Students will write extensively and critically on a variety of topics. This course will prepare students for the AP Literature and Composition exam for college credit. Students registering for this course will read from a list of suggested readings before class work begins in the fall of their senior year. Students are prepared for and required to take the AP exam.

## Language and Composition (AP)

AL /TJ

Year

**Course Number:** LACD5033

Prerequisite: Qualifying Reading Score: ASSET 38, ACT 16. Writing Score: ASSET 41, ACT 20. Grades 11-12

The AP Language and Composition component engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Their writing, reading, and speaking should make students aware of the interactions among a writers purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to the effectiveness in writing and speaking. Students are prepared for and required to take the AP exam.

## Creative Writing Introduction

AL /TJ

Semester

**Course Number:** LAC-3010

Open to grades 10-12

This course is designed for students with a sincere interest in writing creatively. Students will explore the processes of both fiction and poetry writing. Students will write in class on a daily basis and share their writing in a workshop environment. Students will be encouraged to seek publication of their work.

## Creative Writing Workshop

AL /TJ

Semester

**Course Number:** LAC-3020

Prerequisite: Intro to Creative Writing

Open to students who have successfully completed Introduction to Creative Writing. This course is designed for students with a sincere interest in writing short fiction and poetry. The students in this course will explore all elements of short fiction including: form and structure, characterization, setting, theme, style, point of view (speaker), imagery, tone, mood, etc. Students will complete several individual pieces of writing and a summative portfolio of his/her work. All students will be required to submit one piece of writing for publication.

## Drama I

AL /TJ

Year

**Course Number:** LAO-3023

Open to Grades 9-12

Beginning drama will introduce students to the exciting world of theatre. The course begins with basic acting exercises, theatre games, and acting workshops that focus on pantomime and sensory awareness activities. Students will learn basic theatre vocabulary, how to act in a two-person scene, how to read, analyze and compare plays and films, and how to develop and perform a monologue. In addition, the course offers the fundamentals a student needs to participate in drama, and also to appreciate theatre as an audience member.

## Drama II

AL /TJ

Year

**Course Number:** LAO-4013

Prerequisite: Drama I

Intermediate drama is an in-depth look into the art of theatre for those students with continuing interest in the study of drama. The course will begin by exploring and studying theatre history. More advanced acting techniques will be studied, including units on actions, motivation, blocking, characterization, subtext, emotion, and vocal work. In addition, students will learn advanced theatre vocabulary and will be introduced to different styles and genres of acting, with an emphasis on children's theatre. Students will put their theatre skills to work with an all-class production of a fairy tale for elementary students in May.

## Technical Theatre/Production

AL /TJ

Year

**Course Number:** LAO-3033

Open to Grades 9-12

Students are introduced to the basic vocabulary, equipment, personnel, and processes involved in the backstage operations of theatrical productions. Includes counter weight system, hanging and rigging of scenery, hanging and focusing lighting instrument, setting up and using sound systems and theatre safety. Students also serve as technicians in support of productions, concerts, and lectures. Students may take this course twice for credit.

### Public Speaking (DC)

AL /TJ

Semester

**Course Number:** LAOD5010

Prerequisite: Qualifying Reading Score: ASSET 38, ACT 16. Open to Grades 11-12

Public speaking analyzes the fundamentals of oral communication. It covers lectures, readings, and applications of the six principle aspects of public speaking: the speaker, the audience, thought and content, organization, language, and delivery. It also examines the basic principles of small group communication: leadership, the decision-making process, and individual participation in a small group. IWCC SPC 112

### English Language Development 1 (Beginning)

AL /TJ

Year

**Course Number:** LAE-2013

Prerequisite: Home Language other than English

This course introduces the student to pronunciation, vocabulary, sentence structure, communication, and basic survival skills in English. Most activities are done with partners or in small groups.

### English Language Development 2 (Adv Beginnin

AL /TJ

Year

**Course Number:** LAE-2023

Prerequisite: ELL 1 or Assessment Placement

This course offers a continuation of ELL 1. Listening, speaking, reading, writing in English, and U.S. culture are covered in more depth. Social Studies and science vocabulary are integrated with basic conversational English.

### English Language Development 3 (Interm)

AL /TJ

Year

**Course Number:** LAE-2033

Prerequisite: ELL 2 or Assessment Placement

This course further develops the student's skills in listening, speaking, reading, and writing. More complex English structures, grammar, and vocabulary are used. Academic English is emphasized.

### English Language Development 4 (Adv Intern)

AL /TJ

Year

**Course Number:** LAE-2043

Prerequisite: ELL 3 or Assessment Placement

This course expands English vocabulary and grammar through listening, speaking, reading, and writing. Academic English is emphasized.

### English Language Development 5 (Proficient)

AL /TJ

Year

**Course Number:** LAE-3053

Prerequisite: ELL 4 or Assessment Placement

This course increases competency in listening, speaking, reading, and writing English. Academic English is emphasized.

---

## Mathematics

---

### Algebra 1

AL /TJ

Year

**Course Number:** MAA-3013

Grade 9

The knowledge, understanding and skills students should acquire include the following topics: properties and operations with real numbers including exponents, radicals and polynomials; solving a variety of equations, inequalities, quadratics and systems; graphing and writing linear functions; and basic probability and statistics.

## Algebra 2

AL /TJ

Year

**Course Number:** MAA-3023

Prerequisite: Algebra 1

Algebra 2 is a college entrance requirement at many universities. The knowledge, understanding and skills students should acquire include relations and functions; solving systems; graphing quadratics and conic sections; basic operations with rational, polynomial, exponential and logarithmic functions, and problem solving skills used in recursion, iteration, inferential statistics, decision making, and informatics.

## Algebra 2 Advanced

AL

Year

**Course Number:** MAA-4013

Prerequisite: Algebra 1

This course is designed to meet the needs of those students able to learn mathematics at an accelerated pace allowing students to reach a greater depth and breadth of understanding. The knowledge, understanding and skills students should acquire include relations and functions; solving systems; graphing quadratics and conic sections; basic operations with rational, polynomial, exponential and logarithmic functions, and problem solving skills used in recursion, iteration, inferential statistics, decision making, and informatics.

## Geometry

AL /TJ

Year

**Course Number:** MAG-3013

Prerequisite: Algebra 1

The knowledge, understandings and skills students should acquire include points, lines, angle and planes; polygons; quadrilaterals; triangles; right triangles; circles; polyhedra and other solids; vertex edge graphs; mathematical reasoning; and problem solving skills.

## Geometry Advanced

AL

Year

**Course Number:** MAG-4013

Prerequisite: Algebra 1

This course is designed to meet the needs of those students who are able to learn mathematics at a more accelerated pace allowing students to reach a greater depth of knowledge. The knowledge, understanding and skills students should acquire include points, lines, angles, and planes; polygons; quadrilaterals; triangles; right triangles; circles; polyhedra and other solids; vertex edge graphs; mathematical reasoning; and problem-solving skills.

## Math Analysis

AL /TJ

Year

**Course Number:** MAO-3013

Grades 11-12

The knowledge, understanding and skills students should acquire include recursion and iteration; inferential statistics; social decision making; informatics; combinatorics; graph theory; mathematical reasoning; and problem-solving skills. The course relates these concepts to real-world applications including some financial understandings related to such things as taxes, investments, banking services, purchasing as well as interpreting and analyzing consumer research and statistics.

## Pre-Calculus with Trigonometry

AL /TJ

Year

**Course Number:** MAC-4023

Prerequisite: Geometry and Algebra 2

This course is strongly recommended for students planning on attending college. It is the study of the properties of triangles and trigonometric functions and their applications. Pre-Calculus topics include functions, exponents, logarithms, systems of equations, matrices, polynomials and unication. Trigonometric topics include the trig functions, their properties, formulas and graphs; proving identities and solving trigonometric equations. Pre-Calculus with Trigonometry prepares students for Calculus.

**Pre Calculus (DC)**

AL /TJ Year

**Course Number:** MACD5023

Prerequisite: Qualifying Reading Score: ASSET 38, ACT 16. Geometry and Algebra 2 Math scores to be determined.

This course is strongly recommended for students planning on attending college. It is the study of the properties of triangles and trigonometric functions and their applications. Calculus topics include functions, exponents, logarithms, systems of equations, matrices, polynomials and conic section. Trigonometric topics include the trig functions, their properties, formulas and graphs; proving identities and solving trigonometric equations. Pre-Calculus with Trigonometry prepares students for Calculus. This course takes the place of MAT 121 and MAT 130. Successful completion earns 5 credit hours. MAT 129

**Calculus I**

AL /TJ Year

**Course Number:** MAC-3013

Prerequisite: Pre-calculus with Trigonometry

Topics included in this course are functions, graphs, limits, differentiation, applications of derivatives, maximum-minimum theory, conics, formulas and methods integration, and applications of integrals.

**Calculus I (DC)**

AL /TJ Year

**Course Number:** MACD5043

Prerequisite: Trigonometry. Qualifying Reading score: ASSET 38, ACT 16. ASSET and ACT qualifying math scores to be determined

This college course includes the topics of functions, graphs, limits, differentiation, applications of derivatives, maximum-minimum theory, conics, formulas and methods integration, and applications of integrals. Successful completion of the course will earn 5 credits from IWCC. MAT 211

**Calculus AB (AP)**

AL Year

**Course Number:** MACA5013

Prerequisite: Pre-calculus with Trigonometry

Topics include functions, graphs, limits, differentiation, applications of derivatives, maximum-minimum theory, conics, formulas and methods integration, and applications of integrals. Students are prepared for and required to take the AP exam.

**Calculus III/ISU (DC)**

AL /TJ Year

**Course Number:** MACD5053

Prerequisite: 25 on ACT math

This dual-credit course is first year engineering calculus from Iowa State University. There is currently no tuition due to joint agreements, but a fee may be charged for dropping. Topics include functions, graphs, limits, differentiation, applications of derivatives, maximum-minimum theory, conics, formulas and methods integration, and applications of integrals.

**Statistics**

AL /TJ Semester

**Course Number:** MAO-4020

Prerequisite: Algebra 2

The knowledge, understanding and skills students should acquire in statistics include descriptive and inferential statistics, probability, and problem solving skills.

**Discrete Mathematics**

AL Semester

**Course Number:** MAO-4010

Prerequisite: Algebra 2

Discrete Mathematics is a foundation course in mathematics for students who will undertake higher level mathematics in college. Topics include: logic, set theory, relations, functions, mathematical induction, recursion, elementary combinatorics, discrete probability, graphs, trees and matrices.

## Statistics (DC)

AL /TJ

Semester

**Course Number:** MAOD5010

Prerequisite: Qualifying Reading Score: ASSET 38, ACT 16. Qualifying Math scores to be determined.

The knowledge, understanding and skills students should acquire in statistics include descriptive and inferential statistics, probability, and problem solving skills. Successful completion of the course will earn 4 credit hours of MAT157 from IWCC.

## Newspaper Journalism

AL /TJ

Year

**Course Number:** MEJ-3043

Prerequisite: Introduction to Journalism. Application. Grades 9-12

This course is designed for those students who will be part of the newspaper staff. These students will be responsible for writing and reporting for the school newspaper. In addition to writing stories, these students work with other students to brainstorm vital information, such as the story ideas and coverage angles. This course is also designed for those students interested in marketing the newspapers, and selling and designing advertising. Finally, students interested in all aspects of photography and graphic arts can benefit from this course. Due to a limited staff size, an application must also be completed and approved before entering the class

---

## Media & Communications

---

### Introduction to Journalism

AL /TJ

Semester

**Course Number:** MEJ-3010

Grades 9-11

In this course, students are introduced to all aspects of print journalism, including interviewing, news and editorial writing, feature writing for both newspaper and magazine formats, and contemporary newspaper and magazine design. Students interested in working on the school newspaper or yearbook as reporters, photographers, designers, advertising staff, or editors are strongly encouraged to take this course along with other students who are interested in the general field of journalism. The oral, written, and visual communication skills learned in this course will be valuable to students entering any profession.

### Broadcast Journalism

AL /TJ

Year

**Course Number:** MEJ-3023

Prerequisite: Application Grades 10-12

Students will produce a news magazine broadcast, covering topics and stories relevant to high school students. Students will shoot video, do interviews, and write complete news story packages for the broadcast. Students will also produce commercials and projects for the community. Due to a limited staff size, an application must also be completed and approved before entering the class.

### Newspaper Editing and Management

AL /TJ

Year

**Course Number:** MEJ-3033

Prerequisite: One year publication (must be on editorial board) experience or alternative evaluation of advanced qualification; must be an editor. Open to Grades 10-12

This course is designed for editors of the school newspaper/magazine to plan, edit, design pages and perform all pertinent tasks to publish the final product. Secondly, the course is also designed for those students selling and designing advertising. They use the time to visit and contact local businesses, and prepare advertisements. Lastly, the course is for the publication photographers to plan and complete assignments. Due to a limited staff size, an application must also be completed and approved before entering the class.

### **Yearbook Journalism**

AL /TJ

Year

**Course Number:** MEJ-3053

Prerequisite: Introduction to Journalism, see journalism adviser or by alternate evaluation of advanced qualification. Grades 9-12

This course is designed for those students who will be part of the yearbook staff. These students will be responsible for writing and reporting for the school yearbook. In addition to writing stories, these students work with other students to brainstorm vital information, such as the theme and coverage angles. This course is also designed for those students interested in marketing the book, and selling and designing advertising. Finally, students interested in all aspects of photography can benefit from this course. Due to a limited staff size, an application must also be completed and approved before entering the class.

### **Yearbook Editing and Management**

AL /TJ

Year

**Course Number:** MEJ-3063

Prerequisite: One year publication (must be on editorial board) experience or by alternate evaluation of advanced qualification. Must be an editor. Grades 10-12

This course is designed for the editors of the school yearbook staff to plan, edit and design actual spreads in the yearbook. The course is designed for those students who are in charge of selling and designing advertising for the yearbook. This time will be used for contacting and visiting local businesses and designing the actual ads in the book. Finally, this course would be for the photographers on the yearbook staff. Photographers use this time to complete photo assignments, and complete work required for the completion of the book. Due to limited staff size, an application must also be completed and approved before entering the class.

### **Multimedia & Digital Communications**

Tucker Career & College Center

Semester

**Course Number:** MEA-3010

Prerequisite: Career & College Plan includes Media & Communications Career field. Grades 11-12

Students will be introduced to the basics of digital photography, digital video editing, streaming video, digital audio editing, streaming audio, podcasting, and flash animation. Students will also learn about the different file formats used on the web for video, audio, flash animation and still photography. Students will maintain the Tucker Center web blog, and create their own podcasting web site. Most projects will be posted on their podcast page and will be available for downloads. Students will be able to shoot, edit and use video and audio in electronic presentations and interactive DVD's.

### **Digital Photography**

Tucker Career & College Center

Semester

**Course Number:** MEA-3020

Grades 11-12

Students will learn the basics of digital photography, (composition, lighting and design). The class concentrates on the digital format and students will be using Photoshop, iPhoto and other digital imaging software to produce photos for print and the web (creating buttons, banners, images for the web). Students learn the basics of in-studio photography, some basic desktop publishing and will design a pamphlet and a magazine cover. Students will make online slideshows and even produce an original podcast. Basic computer skills and creativity are a must.

### **Introduction to Video Production (DC)**

Tucker Career & College Center

Semester

**Course Number:** MEAD5010

Prerequisite: Qualifying Reading score: ASSET 38, ACT 16

Students will get experience in: camera composition, digital video editing, news-writing, reporting and video podcasts for the web. Students write, produce, and edit multiple projects ranging from a 30 commercial to a live news cast to music videos. Strong reading and writing skills are a must. Basic computer skills are also a must. IWCC (MMS 111)

## Trades & Industry Co-op

AL /TJ

Year

**Course Number:** ME--Use Code:ENM-30833

Grades 12

For seniors who wish to pursue an occupation while completing the last year of high school. Students apply for permission to have released time from school to work and will receive two credits per semester for this on-the-job training. A few examples of occupations in which these students may participate include the following: auto body repair, carpentry, mechanics, welding, food service, child care, nursing homes, and grocery stores. They are evaluated quarterly by their supervisor at the job site. Students must be concurrently enrolled in Trades & Industry Related.

## Trades & Industry Related

AL /TJ

Year

**Course Number:** ME--Use Code:ENM-30933

Grade 12

This course combines classroom instruction with skilled on-the-job training in the areas of Medical Health Sciences, Engineering and Industrial Technology, Media Communications, Family and Human Services, and Information Management and Marketing. In the schoolbased learning part of the course, emphasis is placed on team development, quality service and products, customer satisfaction, employment acquisition, career analysis, safety standards, and leadership. Skills reinforced in this course are technical mathematics, measuring, reading, writing, and communication skills. Work-based learning strategies appropriate for this course include cooperative education and apprenticeships, through Trades & Industry Co-op. Hands-on work experiences provide many opportunities to enhance classroom instruction and career development. Students must be concurrently enrolled in Trades & Industry Co-op.

---

## Medical & Health Sciences

---

### Health Foundations

AL /TJ

Semester

**Course Number:** MHH-3010

Grades 9-12

The purpose of this course is to provide the student with a general understanding of areas of health and the skills needed to make decisions that will be directly related to the student, school, and community. The areas of health that will be covered in this course are: personal health, food and nutrition, environmental health, safety and survival skills, consumer health, family life, substance abuse and nonuse, emotional and social health, health resources, and prevention and control of disease, including sexually transmitted diseases.

### Health Applications

AL

Semester

**Course Number:** MHH-3020

Grades 10-12

This course will study in greater depth the areas covered in Foundations of Health. Students will have the opportunity to investigate the resources in the metro community pertaining to the different health areas. The students will also be able to research specific topics related to health.

## Health Science 1-2 (DC)

Tucker Career & College Center Year

**Course Number:** MHHD5013

Enrollment or completion of Human Biology with at least a "C". Advancement to second semester requires a first semester grade of at least a C in HOSA is mandatory. Qualifying Reading score: ASSET 38, ACT 16

The first year curriculum includes allied health career exploration, health care professionalism, personal health and wellness, medical ethics, growth and development, applied anatomy and physiology, and introductory medical terminology. Students will receive two-year certification in CPR/First Aid Basic Life Support for Health Care Professionals through the American Heart Association and earn one semester hour of Dual Credit. Students will job-shadow with health care professionals at a local health care facility and must project a positive self-image according to the facility's policy regarding dress, body piercings, and tattoos. Successfully complete a general health screen, background checks, pass a drug screen for internships and job-shadowing. This includes personal integrity, honesty, positive interpersonal communication skills, and good attendance. (IWCC PEH 130)

## Health Science 3-4 (DC)

Tucker Career & College Center Year

**Course Number:** MHHD5023

Prerequisite: Qualifying Reading score: ASSET 38, ACT 16. Seniors who have successfully completed Health Science 1-2 with a "C" or better. Grades 11-12

This course provides students with the opportunity to earn two semester hours dual credit. Attendance at the HOSA Spring Leadership Conference is required. Curriculum includes coursework in understanding the language of health care including a working knowledge of word roots, prefixes, and suffixes of commonly used terms related to anatomy, physiology, pathology, diagnostics, and therapies. Emphasis is placed on the correct spelling and pronunciation of the vocabulary. (IWCC HSC 113)

---

## Music

---

### Concert Band/Marching Band

AL /TJ Year

**Course Number:** MUI-3013

Grades 9-12

The concert band is the main wind/percussion ensemble at the high school level. It is open to all students who play wind and percussion instruments in grades 9-12. Students who register for this course must play in marching band, concert band, and pep band. This class meets as a regularly scheduled class and has required early morning rehearsals during the marching season. Each concert band student is required to participate in a required school lesson program. Flag corps members for the marching band are selected by audition from the concert band program. Students must be a part of this ensemble to be eligible for the All State Music Festival, Honor Bands and State Solo and Ensemble Contests. Extra curricular performances may include all football games, some basketball games, three concerts, pep assemblies, community service concerts and parades, and state music contests. Trips to other cities, Disney World and national events have also been a part of this class.

### Beginning Jazz Band

AL /TJ Year

**Course Number:** MUM-3013

Prerequisite: Audition only and membership in Concert Band/Marching Band class is required

All members are selected from the concert band program. This ensemble performs frequently for the school and community throughout the state at various activities and festivals. This is an ensemble with strong emphasis on improvisation and the study of jazz styles and history of America's art form.

### Varsity Jazz Band

AL /TJ Year

**Course Number:** MUM-3023

Prerequisite: Audition only and membership in Concert Band/Marching Band class is required

All members are selected from the concert band program. This ensemble performs frequently for the school and community throughout the state at various activities and festivals. This is an ensemble with strong emphasis on improvisation and the study of jazz styles and history of America's art form.

**Freshmen Orchestra**

AL Year

**Course Number:** MUI-3023

Prerequisite: Minimum of 2 years experience

A variety of music will be performed and there will be an emphasis on proper playing technique and playing skills. Several concerts are presented throughout the year. Emphasis is on proper technique and playing skills. Extra curricular performances may include various clinics, festivals and contests in Iowa and Nebraska during the school year. Trips to other cities, Disney World and national events have been a part of the extra curricular aspect of this class.

**Symphonic Orchestra**

AL /TJ Year

**Course Number:** MUI-3033

Prerequisite: Minimum of 3 years experience. 9th Graders at AL must have permission of the director.

Orchestra performs a wide variety of music ranging from the favorites of great composers to modern music of contemporary composers. Several concerts are presented throughout the year. Extra curricular performances may include various clinics, festivals and contests in Iowa and Nebraska during the school year. Trips to other cities, Disney World and national events have been a part of the extra curricular aspect of this class. Wind players from the band program are invited to also perform with the orchestra at events to provide the students with a full orchestra experience.

**Mixed Choir**

AL /TJ Year

**Course Number:** MUV-3033

This non-audition choir will study and sing a variety of music. Emphasis will focus on basic music concepts and singing techniques. Students may be required to perform throughout the year.

**Concert Choir**

AL /TJ Year

**Course Number:** MUV-4013

Prerequisite: By audition

This SATB choir is designed to meet the needs of the serious choral singer. The choir will perform a wide variety of musical styles from all eras of music history. Emphasis is given to theory, aural training, and sight singing. The group may perform extensively for the school and community as well as participate in contest and festivals. The students will be required to attend all performances and may be required to purchase or rent formal attire.

**Varsity Choir**

AL /TJ Year

**Course Number:** MUV-4023

Prerequisite: By audition

This choir is designed to meet the needs of motivated choral singers. The choir will perform a wide variety of musical styles from all eras of music history. Emphasis is given to theory, aural training, and sight singing. The group may perform extensively for the school and community as well as participate in contests and festivals. The students will be required to attend all performances and may be required to purchase or rent formal attire.

**Beginning Show Choir**

AL /TJ Year

**Course Number:** MUV-3043

Prerequisite: Audition

This group receives advanced training in vocal techniques and will learn and perform music from all periods of music history. In addition, the group will learn the music and choreography to several standard show choir pieces and will perform these for the public and for contests. There may be extra rehearsals before or after school. (T.J. incorporates Varsity Choir Requirements within class)

### Advanced Show Choir

AL /TJ

Year

**Course Number:** MUV-4033

Prerequisite: By audition and be enrolled in concert choir

This is a singing and dancing group that performs extensive throughout the area. Repertoire includes current, standard show choir literature.

Performances will include weekend and evening events. There are extra rehearsal obligations before or after school. Members will be expected to purchase or rent costumes. (T.J. incorporates Concert Choir Requirements within class)

### Music Theory Introduction

TJ

Semester

**Course Number:** MUG-3030

Music theory is a course that seeks to give students in grades 9 - 12 advanced experiences in the principles of analysis and composition. The course will include instruction in fundamentals of tonal harmony and ear training. The course will encourage the application of the concepts presented, culminating in original compositions.

### Music Theory (AP)

AL /TJ

Year

**Course Number:** MUGA5013

Music theory is a class designed for those students who are interested in a more detailed study of music composition, form and analysis, ear training, and music history. Students who are considering majoring in music at the collegiate level should take this course. Students will be required to take the AP exam. Class is taught over ICN and is available to students from both schools.

---

## Physical Education

---

### Introduction to Physical Education

AL /TJ

Semester

**Course Number:** PEP-3010

Grade 9

First year 9th grade students will be introduced to the physical education facilities to learn safety procedures and basics of physical fitness expectations. Students will participate in team sports and lifetime activities.

### Physical Education

AL /TJ

Semester

**Course Number:** PEP-3020

Grades 10-12

The Physical Education classes are designed to enable students to become physically active, learn the benefits of activity, and acquire a positive attitude toward being active throughout his/her life. The classes will provide opportunities and experiences that allow the acquisition of knowledge and skills to enhance physical, mental, emotional, and social health. The Physical Education program is co-educational with selective offerings in team sports, individual and lifetime activities, dance, strength training, and aerobic conditioning in the fitness center. Activities offered may include flag football, soccer, tennis, golf, badminton, aerial tennis, fitness/jogging, floor hockey, team handball, basketball, volleyball, and softball.

### Cross Training

AL /TJ

Semester

**Course Number:** PEP-3060

Grades 10-12

This class is designed to teach basic lifestyle fitness concepts and aerobic/anaerobic fitness activities which use continuous movement or exercise for determined amount of time. Activities may include aerobic dance, bench step aerobics, circuit/station training, weights, personal fitness, jogging, power walking, and learning about healthy living.

### Team Sports & Fitness

AL /TJ

Semester

**Course Number:** PEP-3070

Grades 10-12

This class is designed to teach basic lifelong individual and team activities. Activities and choices vary, but may include softball, pickle ball, soccer, badminton, basketball, tennis, volleyball, floor hockey, weight lifting, flag football, new games and learning about personal fitness.

### Intro to Strength and Conditioning

AL /TJ

Year

**Course Number:** PEP-3043

Grades 9 - 12

This course is designed for the first year student who wants to participate in an ongoing introductory strength and conditioning program. This class will meet everyday all year. Course components will include: Introduction to the weight room, basic lifting techniques, flexibility, strength and cardiovascular training. Health-related fitness topics will also be explored. One PE credit and one elective credit will be earned for the year-long course.

### Strength and Conditioning

AL /TJ

Year

**Course Number:** PEP-4013

Grades 10 - 12 or grade 9 or by alternate evaluation of advanced qualification.

This course is designed for the student who wants to participate in an ongoing advanced strength and conditioning program. This class will meet everyday all year. Course components will include: Advanced lifting techniques, flexibility, strength and cardiovascular training. Health-related fitness topics will also be explored. One PE credit and one elective credit will be earned for the year-long course.

### Independent Study Physical Education

AL /TJ

Semester

**Course Number:** PEP-3030

Prerequisite: Junior or Senior status

The following qualifications must be met for independent study: 1) The student must be taking PE as independent study in order to register for additional coursework. Students must be taking a full schedule. Students who are taking Independent Study PE cannot be behind in credits. Students who have a full schedule due to lack of credits need to take Make-up Credit PE. 2) By the first week of the semester the student will write a letter to the principal stating his/her reasons for taking PE as independent study and the proposed plan of activities. Both student and parent must sign the letter. School-related activities cannot be included as part of the activities. The principal will approve the proposal or send it back to the student stating the reason it was not approved. A letter needs to be approved for each semester. 3) Each student must keep a log in order to receive credit. The log will need to be verified by a parent or guardian. Students will be assigned to a physical education teacher who will monitor progress. Logs need to be turned in to the PE teacher at the end of the semester for PE credit to be assigned. Each student will spend 3 hours per week for a total of 80 hours/semester. 4) The grade will be P/F (pass/fail).

---

## Science

---

### Physical Science

AL /TJ

Year

**Course Number:** SCP-3033

Grade 9

This class will provide students with the opportunity to expand their knowledge of physical concepts such as electricity and magnetism; waves, sound and light; matter and energy; chemical interactions; and motions and forces. Students will experience many concepts first hand and learn about physical science in our world.

**Biology**

AL /TJ

Year

**Course Number:** SCL-3013

Grades 10-11 and 9th grade students taking Advanced Science in 8th grade

Biology is a full year exploration of life. In this course the student will study scientific methods of biology, cells and their processes, genetics, ecology, evolution, and biologic diversity. A combination of individual, group, and lab work will be used. One purpose of the laboratory lessons is to provide the students with the opportunity to learn the necessary tools and methods used by scientists.

**Biology with Lab (AP)**

AL /TJ

Year

**Course Number:** SCLA5013

Prerequisite: Biology and Chemistry or Chemistry concurrently

This intense second year biology course offers students greater depth of study in all areas of biology. Areas of study include the chemistry of life, genetics and inheritance, biotechnology, evolution of life, plant and animal form and function, and ecology. The laboratory component of this course will require students to process information, make hypotheses, and test those hypotheses using advanced laboratory skills. Students will also be required to keep detailed records of laboratory experiments. Individual projects are also expected. Students will be prepared and required to take the A.P. exam in May to qualify for college credit. This course meets for two (2) periods per day.

**General Biology I with Lab (DC)**

AL

Semester

**Course Number:** SCLD5020

Prerequisite: Biology, Chemistry or Chemistry concurrently / Qualifying Reading Score: ASSET 38, ACT 16

This intense second year biology course offers students greater depth of study in all areas of biology. Areas of study include the chemistry of life, genetics and inheritance, biotechnology, evolution of life, plant and animal form and function, and ecology. The laboratory component of this course will require students to process information, make hypotheses, and test those hypotheses using advanced laboratory skills. Students will also be required to keep detailed records of laboratory experiments. Individual projects are also expected. Upon successful completion of this course, students will receive 4 college credit hours of BIO112 from Iowa Western Community College. This course meets for two (2) periods each day.

**General Biology II with Lab (DC)**

AL

Semester

**Course Number:** SCLD5030

Prerequisite: Biology, Chemistry or Chemistry concurrently / Qualifying Reading Score: ASSET 38, ACT 16

This intense second year biology course offers students greater depth of study in all areas of biology. Areas of study include the chemistry of life, genetics and inheritance, biotechnology, evolution of life, plant and animal form and function, and ecology. The laboratory component of this course will require students to process information, make hypotheses, and test those hypotheses using advanced laboratory skills. Students will also be required to keep detailed records of laboratory experiments. Individual projects are also expected. Upon successful completion of this course, students will receive 4 college credit hours of BIO113 from Iowa Western Community College. This course meets for two (2) periods each day.

**Human Biology w/Lab**

AL /TJ

Year

**Course Number:** SCL-4013

Prerequisite: Biology/11-12 and Grade 10 students in Medical Health Pathway

A higher level biology course examining the anatomy and physiology of the body. This course will be beneficial for students interested in Medical and Health Sciences and/or Family and Human Services career fields. The student has an opportunity to concentrate on studying the structures and functions of the major systems of the human body.

**Chemistry**

AL /TJ

Year

**Course Number:** SCP-3043

Prerequisite: Recommend Algebra 2 concurrently

Chemistry is a lab-based course studying the interactions of matter. This course will emphasize the application of chemistry to everyday life such as chemical products in your home. Global warming, alternative energy sources, and other societal issues will also be explored. A goal of this course is that students will acquire the technical knowledge to make informed decisions for themselves and their community.

**Chemistry (AP)**

AL /TJ

Year

**Course Number:** SCPA5013

Prerequisite: Chemistry and Algebra 2

This Chemistry course offers a study in greater depth in the areas of organic, inorganic, physical, and nuclear chemistry. This course is a freshman level college course. Much laboratory work is demanded of the students. Assignments demand more independent thought, mathematical competence, writing ability, and library research. Students will be prepared and required to take the A.P. exam in May to qualify for college credit. This course meets for two (2) periods each day.

**General Chemistry I w/lab (DC)**

AL

Semester

**Course Number:** SCPD5010

Prerequisite: Chemistry and Algebra 2 / Qualifying Reading Score: ASSET 38, ACT 16

This Chemistry course offers a study in greater depth in the areas of organic, inorganic, physical, and nuclear chemistry. This course is a freshman level college course. Much laboratory work is demanded of the students. Assignments demand more independent thought, mathematical competence, writing ability, and library research. Upon successful completion of this course, students will receive 5 college credit hours of CHM 166. This course meets for two (2) periods a day.

**General Chemistry II w/lab (DC)**

AL

Semester

**Course Number:** SCPD5020

Prerequisite: Chemistry and Algebra 2 / Qualifying Reading Score: ASSET 38, ACT 16

This Chemistry course offers a study in greater depth in the areas of organic, inorganic, physical, and nuclear chemistry. This course is a freshman level college course. Much laboratory work is demanded of the students. Assignments demand more independent thought, mathematical competence, writing ability, and library research. Upon successful completion of this course, students will receive 5 college credit hours of CHM 166. This course meets for two (2) periods a day.

**Physics**

AL /TJ

Year

**Course Number:** SCP-3053

Prerequisite: Recommend Algebra 2 concurrently

Physics is the study of energy and its transformation in the world around us. Topics include velocity and acceleration of bodies, momentum, heat, light, magnetism, and electricity. Class work includes lab activities, demonstrations, and discussions about concepts in the physical world.

## Physics with Lab (AP)

AL /TJ

Year

**Course Number:** SCPA5023

Prerequisite: Algebra 2 with Trig/PreCalc concurrently

The course provides instruction in each of the following content areas: Newtonian mechanics, fluid mechanics, and thermal physics, electricity and magnetism, waves and optics, atomic and nuclear physics. Students will be prepared and required to take the Advanced Placement exam in May.

## Global Science

AL /TJ

Year

**Course Number:** SCO-3013

Prerequisite: Grades 11-12

The purpose of this class is to provide students with the science background needed to make informed decisions regarding global issues. This course examines how ecosystems work, population growth, specific types of pollution, weather and climate and alternate energy sources and management. Current global issues are used to help students gain an awareness and appreciation for the world we live in.

## Forensic Science

AL /TJ

Year

**Course Number:** SCO-3023

Prerequisite: Grades 11-12

This course will familiarize students with the basic principles and uses of forensic science. Forensic Science is the study and application of science to the processes of law and involves the collection, examination, evaluation and interpretation of evidence. Students will interpret and analyze data. The course requires that students present information in written, oral and mathematical formats.

---

## Social Studies

---

### Ancient World History

AL /TJ

Semester

**Course Number:** SSH-3020

Grades 9-12

This will be a class that will study how world events have helped shape the world we currently live in. Topics included are: Human Origins in Africa, Mesopotamia, China, India, Egypt, Greece, Rome, Various Ancient Empires including the Persians and the Assyrians, Development of the Major World Religions, Middle Ages, and European Renaissance and Reformation.

### Modern World History

AL /TJ

Semester

**Course Number:** SSH-3030

Grades 9-12

This class studies how world events have helped shape the world as it is today. Topics include early exploration, European Monarchies, Revolution, Industrialization, Imperialism, Nationalism, Modernization, Totalitarianism, Communism, Fascism, Democracy, and Interdependence.

### World History (AP)

AL /TJ

Year

**Course Number:** SSHA5013

Grades 9-12

This course is an accelerated course with the same objectives as World History. Emphasis is placed on discussion and major research projects to be determined by mutual agreement between instructor and students. This course is designed for students who are passionate about World History. This class will prepare students for the AP Exam which students are required to take.

## US History

AL /TJ

Year

**Course Number:** SSH-3043

Grades 10-12

This course continues the study of American History since the Civil War. The course will cover our nation's social, political, economic, and geographic history. The major topics include Industrial Age, Populism, World War I, Depression and New Deal, World War II, Cold War, Korean Conflict, Vietnam War, Civil Rights, Kennedy Era, New Republican Era, and current issues, events, and topics. Emphasis will be placed on critical thinking, note taking, and organizational skills to enable students to make informed, thoughtful judgments about meaning, accuracy, and worth of the information presented about American History.

## US History (AP)

AL /TJ

Year

**Course Number:** SSHA5023

Grades 10-12

Rigorous units of study are organized around 14 major points of emphasis: (1) The Colonial Period, (2) American Revolution, (3) The U.S. Constitution, (4) The New Nation, (5) Jacksonian Democracy, (6) Sectional conflict, (7) Civil War and Reconstruction, (8) Industrialism and the Progressive Era, (9) Wilson and WWI, (10) Roaring Twenties and Economic Collapse, (11) Great Depression and New Deal, (12) WWII and Post WWII Era, (13) New Frontier, Vietnam and Social Upheaval, and (14) Watergate, Carter and Reagan Era. The course provides an analytical perspective on US politics. Specific case studies will be broken down as follows: political institutions, social and economic change, public policy, diplomacy and cultural development. Students will be required to do outside readings as well as using note taking and critical thinking skills. The class will prepare students for the AP exam which students will be required to take.

## American Government

AL /TJ

Semester

**Course Number:** SSC-3010

Prerequisite: Grades 11-12

This class will study the basics of our system of government. Emphasis will be placed on students' understanding of six main areas: foundations of the U.S. Constitution; political beliefs and behaviors; political parties and interest groups; systems of checks and balances between our three branches of government; public policies; rights and responsibilities as citizens.

## American Government & Politics (AP)

AL

Semester

**Course Number:** SSCA5010

Grades 11-12

This class will study the American system of government but in more depth and with more rigor. Emphasis will still be placed on students' understanding and applying knowledge about six main areas: foundations of the U.S. Constitution; political beliefs and behaviors; political parties and interest groups; systems of checks and balances between our three branches of government; public policies; rights and responsibilities as citizens. Students will be required to complete independent work and intense analysis and synthesis. Students will be prepared for the AP exam that they will be required to take.

## American Government (DC)

TJ

Semester

**Course Number:** SSCD5020

Prerequisite: Qualifying ASSET Reading Score of 38, ACT 16/Grades 11-12

This class examines the fundamentals of democracy and the basic principles of the US Government. This class allows the student the opportunity to earn college credit. IWCC, POL111

## Psychology Foundations

AL /TJ

Semester

**Course Number:** SSO-3020

Grades 10-12

This course will include the study of the history and various approaches to psychology, research methods, the biological basis of behavior, senses and perception, motivation and emotion, the states of consciousness and personality.

### **Psychology Applications**

AL /TJ

Semester

**Course Number:** SSO-4010

Prerequisite: Psychology Foundations/Grades 10-12

This course builds on foundational learning to study more advanced areas of psychology that includes learning and cognition, testing and individual differences, human development, treatment of disorders, social psychology and personality.

### **Psychology (AP)**

AL

Year

**Course Number:** SSOA5013

Grades 11-12

This course will provide a rigorous and in-depth study of the history and various approaches to psychology, research methods, learning and cognition, and the states of consciousness. Study will also establish background in the biological basis for psychology, senses and perception, motivation and emotion, personality, testing and individual differences, treatment of disorders, social psychology and personality. The course will prepare students for the AP exam that they are required to take.

### **Sociology**

AL /TJ

Semester

**Course Number:** SSO-3030

Grades 10-12

The course is designed to expose students to the discipline of sociology and its perspectives, methodology, and principles. Students use various sociological theories to analyze the world in which they live. The class is activity-based and designed to allow individuals to experience seeing the world from different perspectives. The study of humans and their social behavior encourages students to analyze issues confronting today's society. This class may include speakers, documentaries, and supplemental readings.

### **Introduction to Sociology (DC)**

AL /TJ

Semester

**Course Number:** SSOD5020

Prerequisite: Qualifying Reading Score: ASSET 38, ACT 16. Grades 11-12

Introduction to Sociology explores the discipline of sociology. Students become familiar with the sociological perspective of the study of human social behavior. The course stresses the development of sociology, social theory, research methods, social institutions (e.g., the family, religion, education as well as culture, deviant behavior, and demography). Upon successful completion students will receive 3 credit hours of SOC110 from IWCC.

### **Ethics & Philosophy**

AL /TJ

Semester

**Course Number:** SSO-3070

Grades 11-12

It has been said that the unexamined life is not worth living. Philosophy is an attempt to do just that--we answer questions such as : What makes acts right or wrong? What is the true nature of reality? Is it wrong to cheat, lie or steal? Does the end justify the means? The class will study the world's greatest thinkers, such as Plato, Socrates, Locke, Kant, Mill, Neitzche, Bentham and others will be introduced. Applied ethics, logic, theology, aesthetics and other related disciplines will be explored.

### **Legal Studies Foundations**

AL /TJ

Semester

**Course Number:** SSC-3030

Grades 9-12

This is an introductory level criminology class. The course will start with an overview of law enforcement and the job of a police officer. The course will include topics related to criminology, history of law and punishment, civil and criminal justice systems, law in our everyday lives, and legal ethics. This class looks at the ramifications of the laws passed and the effects they have on our everyday lives. Emphasis is placed on landmark court decisions and how those decisions shape our rights as citizens.

### **Legal Studies Applications**

AL /TJ

Semester

**Course Number:** SSC-3020

Prerequisite: Successful completion of Legal Studies Foundations. Grades 9-12

This class will focus on analyzing different legal issues in a more research based approach. The topics covered in this course are developed more deeply than can be done in a survey course. A variety of written materials will be used to learn about and discuss the case studies presented. This class will also emphasize the inner workings of our legal system. The students will be given first hand knowledge of trial law through simulations and mock trial activities. Community resources will supplement the classroom curriculum. This course will provide students with a better understanding of the criminal justice system and where they, as citizens fit into the system.

### **Geography and Culture**

AL /TJ

Semester

**Course Number:** SSG-3010

Grades 9-12

Students will use geographic concepts and processes to identify and locate nations and their major geographic features. They will also examine the following: interaction between people and their environments, technology, and environmental impact of human activity. Five themes of Geography will be emphasized - location, place, human environment, region, and movement.

### **Religions of the World**

AL /TJ

Semester

**Course Number:** SSO-3080

Grades 9-12

This course is an introduction to the academic study of the major religions of the world ( Buddhism, Christianity, Hinduism, Indian, Islam, and Judaism ). This class explores what religion is and what it means to different people. Topics include such things as religious institutions and their social context, historical development, and a comparative analysis of religious organizations and behaviors.

### **Contemporary Issues**

AL /TJ

Semester

**Course Number:** SSO-3050

Grades 9-12

The course will engage students in a hands-on study of the people, leaders and events surrounding many contemporary issues of concern to Americans and many others on a world scale. Through projects and research, students will develop a variety of skills including practice in negotiation, compromise, working in teams, problem-solving and analysis of multiple perspectives in combination with listening, public speaking, critical reading and writing. Research will play an important role utilizing both traditional print and electronic sources. Current events as related to the issues will also be a component of the course.

### **Economics**

AL /TJ

Semester

**Course Number:** SSE-3010

Grades 11-12

Students will acquire an understanding of basic economic principles. They will learn about the impact of those principles and how they apply to effective decision-making and financial success as citizens, consumers, producers, and investors. How government and global interdependence influence our economic practices will also be explored.

---

## **World Languages**

---

### **Chinese 1**

AL

Year

**Course Number:** WLC-3013

Grades 9-12

This course is a basic introduction to the Chinese culture and Mandarin Chinese language, emphasizing correct pronunciation, pin-yin sentences (English lettering with tones) and learning to read 25 basic Chinese sentences. It is also an introduction to Chinese writing. Credit from this course may not count toward college requirements.

**French 1**

AL /TJ

Year

**Course Number:** WLF-3013

This course is a beginning French class for students who have had no formal classes in French. It will include an introduction to French culture along with beginning grammar structures, vocabulary and conversation.

**French 2**

AL /TJ

Year

**Course Number:** WLF-3023

Prerequisite: French 1

Second-year French offers a review of French 1-2, further study of grammar, additional vocabulary, and added practice in pronunciation through dialogues. The students continue to learn about French culture through reading, music, and a variety of activities.

**French 3**

AL

Year

**Course Number:** WLF-3033

Prerequisite: French 2

Through a study of more complex grammar structures and the mastery of an expanded vocabulary, the third-year French student continues to work toward competency in the four areas of speaking, listening, writing, and reading. The students will be given many opportunities to practice their oral skills in nearly authentic survival situations.

**French 4**

AL

Year

**Course Number:** WLF-4043

Prerequisite: French 3

This course follows the same format as French 3. Development of competence continues through grammatical structure drills, dialogues, vocabulary enlargement, and cultural readings, giving students the skills to survive in a Francophone country.

**Spanish 1**

AL /TJ

Year

**Course Number:** WLS-3013

The first-year Spanish course is open to all high school students who wish to gain experience in basic Spanish conversation, reading, writing and culture. This course will introduce students to the Spanish language and the Hispanic culture.

**Spanish 2**

AL /TJ

Year

**Course Number:** WLS-3023

Prerequisite: Spanish 1

Spanish 2 follows the sequence of Spanish 1. Development of competence continues in Spanish conversation, reading, writing, and culture.

**Spanish 3**

AL /TJ

Year

**Course Number:** WLS-3033

Prerequisite: Spanish 2

This course is designed to further develop the student's ability in reading, writing, and speaking Spanish. This course continues with the development of communication skills in the Spanish language and listening while using more complex grammar and structures.

**Spanish 4**

AL /TJ

Year

**Course Number:** WLS-3043

Prerequisite: Spanish 3

This course is designed for upper level Spanish students. Advanced grammar is covered through the study of modern Hispanic literature.

**Elementary Spanish I (DC)**

AL /TJ

Semester

**Course Number:** WLS5010Prerequisite: Spanish 2 / Qualifying Reading Score:  
ASSET 38, ACT 16

This 3rd year course continues with the development of communication skills in the Spanish language. Students will develop the ability to communicate in Spanish in the areas of reading, writing, speaking, and listening while using more complex grammar and structures. Each semester is 4 credits from IWCC – FLS 141

**Elementary Spanish II (DC)**

AL /TJ

Semester

**Course Number:** WLS5020Prerequisite: Spanish 2 / Qualifying Reading Score:  
ASSET 38, ACT 16. Must get a "C" or better in  
Elementay Spanish I (DC)

This 3rd year course continues with the development of communication skills in the Spanish language. Students will develop the ability to communicate in Spanish in the areas of reading, writing, speaking, and listening while using more complex grammar and structures. Each semester is 4 credits from IWCC – FLS 142

**Intermediate Spanish I (DC)**

AL /TJ

Semester

**Course Number:** WLS5030Prerequisite: Spanish 3 / Qualifying Reading Score:  
ASSET 38, ACT 16

This 4th year course continues with the development of communication skills in the Spanish language. Students will develop the ability to communicate in Spanish in the areas of reading, writing, speaking, and listening while using more complex grammar and structures. Each semester is 4 credits from IWCC FLS 241.

**Intermediate Spanish II (DC)**

AL /TJ

Semester

**Course Number:** WLS5040Prerequisite: Spanish 3 / Qualifying Reading Score:  
ASSET 38, ACT 16

This 4th year course continues with the development of communication skills in the Spanish language. Students will develop the ability to communicate in Spanish in the areas of reading, writing, speaking, and listening while using more complex grammar and structures. Each semester is 4 credits from IWCC FLS 242.