



High School Course Guide 2011-2012

Central High School
North High School
West High School

Dear Parent and Students,

In our work world of tomorrow, a high school diploma will not be sufficient. The most important aspect of high school is for students to select courses that are both challenging and that prepare them for college or the working world. The Davenport high schools offer a broad range of course offerings, including Advanced Placement courses and Joint Enrollment courses where a student can earn both high school and college credit. Please thoughtfully use this course guide to help you select courses for the next four school years. Involve your parents, a counselor or other adults who you trust and respect to help you make wise decisions about your high school career.

This course guide provides information about academic courses, scheduling, and student schedules. I encourage each student to carefully review and discuss these course offerings found in this guide with your parents/guardians. While the majority of the courses contained in this course guide will be offered during the school year, it should be noted that some may not be scheduled due to insufficient enrollment or scheduling limitations. Others may limit enrollment and, therefore, be closed to new enrollment. Students at Davenport Community Schools enjoy the benefit of significant cooperation between the high schools and Scott Community College. If there is a course that you are interested in taking and is not available at your high school, please meet with your counselor to determine if the opportunity to take the course is available elsewhere.

Every year, all 8th grade students will take the EXPLORE and all 10th grade students will take PLAN. These assessments will help students select high school courses, identify careers that match their interests, show which subjects are most important to pursue their career interests, show areas where they need to improve, and find out if they are on-track for post-high school success. This is one way Davenport Community Schools is helping students build plans for their future.

I sincerely hope that you will join with us in striving for academic excellence. If you choose appropriate courses, you will be well prepared for the challenges and the opportunities which await you beyond high school. You have my best wishes as you seek to prepare to reach your educational goals and objectives for your future challenges.

Sincerely,


Julio Almanza
Superintendent

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PREFACE

The subjects and programs outlined in this course-planning guide will make it possible for each student to select a program of studies determined by his/her interests and abilities.

The contents of this course guide will be presented and discussed in the eighth grade and reviewed each succeeding year. Counselors and teachers will assist students and parents in selecting the most appropriate curriculum for the student. Grades, aptitudes and achievement scores, interests and teacher recommendations should be taken into consideration when selecting courses.

Note: Some courses listed in the course planning guide may not be offered due to insufficient enrollment, teacher availability, schedule conflicts, or room limitation.

WEB ACCESS: The contents of this course guide are also available on the Davenport Community School website at www.davenportschools.org under the “students” section on the home page.

PUBLIC NOTICE

Davenport Community Schools Non-Discrimination Statement

The Davenport Community School District (DCSD) provides equal educational and employment opportunities and will not illegally discriminate on the basis of race, creed, color, sexual orientation, gender identity, national origin, sex, disability, religion, age, ancestry, or actual or potential parental, familial, or marital status. DCSD will take affirmative action in recruitment, appointment, assignment and advancement of women and men, members of diverse racial/ethnic groups and persons with disabilities for job categories in which any of these groups of people are underrepresented.

Inquiries related to this policy may be directed to the Dawn Anderson Rascher, DSCD Equity Coordinator, 1606 Brady Street, Davenport, IA 52803 or by phone at 563-336-3805. Inquiries may also be directed to the Iowa Civil Rights Commission, the Region VII Office of the United States Equal Employment Opportunities Commission, or the Region VII Office of Civil Rights, United States Department of Education.

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DAVENPORT, IOWA**

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DEFINITION OF TERMS

block: 90 minute period daily

term: 9 week, 90 minutes per day course

course number: each course is assigned a Davenport High School unique number for scheduling and grade reporting purposes.

unit: a form of credit based upon the Carnegie unit; one unit (1.0) is granted for the successful completion of a course which meets one block per day for a two terms, or the equivalent; a half unit (0.5) is granted for the successful completion of a course which meets one period/block per day for a term or the equivalent. One Carnegie Unit is equal to 120 hours of instruction.

full credit course: a course which earns 0.5 units per term. Sometimes called a "solid".

partial credit: a course which is not a "solid"; earns less than 0.5 units per term.

prerequisite: a course which must be taken first before enrollment in another class (Example: Financial Accounting is a prerequisite to Managerial Accounting).

required: a full credit course which must be successfully completed to satisfy graduation requirements.

elective: a course which may be taken for credit but is not required for graduation.

recommended: a course the student would be advised to take but is not required.

grade points: grades are based on a 4-point scale, i.e., A = 4.000, B = 3.000, C = 2.000, D = 1.000, F = 0.000; grade points are totaled at the end of each term for all credit subjects.

grade point average (GPA): computed by dividing the total grade points by the number of credit subjects completed; based on a 4-point scale, i.e., A = 4.000, B = 3.000, C = 2.000, D = 1.000, F = 0.000. Grades in all credit courses are included in the GPA. This may include grades in partial credit courses. Beginning fall 2005, Physical Education will receive .5 credits and be included in their GPA.

CLASS LOAD

The class load in high school is four (4) courses per term and must include 1 term of PE each year. Freshman, sophomores and juniors are required to take 4 blocks of classes each term. This will allow students to make normal progress toward graduation. Course selections should be made for the entire academic year. Students are asked to give careful consideration to course selections as schedules and teacher assignments are based upon these requests. **Once schedules have been established, student requests for changes will normally not be honored. Students enrolled in AP courses will be expected to complete all 3 terms and take the AP exam.** **ATHLETIC ELIGIBILITY:** Any student wishing to participate in athletics must be enrolled for two courses each term of the school year (total of 8 courses).

STUDENT RESPONSIBILITIES

Students enrolled in Davenport high schools:

- shall be required to pay for any excessive or unauthorized usage of course materials, as well as for a breakage of equipment resulting from inappropriate or unauthorized usage
- may be required to purchase workbooks, manuals and/or other necessary supplies. (See course descriptions.)
- shall be required to observe all safety precautions and, when required, wear the necessary safety gear, i.e., goggles, aprons, gloves.
- shall keep a record of the units they have earned. It is expected that students will know where they stand with respect to graduation requirements.

JOINT ENROLLMENT (Sometimes called Dual Credit or Concurrent Enrollment) and ADVANCED PLACEMENT (AP) COURSES GETTING A HEAD START ON POST-SECONDARY EDUCATION

Students have a variety of opportunities to earn college credit including joint enrollment, advanced placement (see page 2) and Postsecondary Enrollment Options (see page 3). They do not have to pay for the college credit or buy the college textbooks.

Joint enrollment courses award both high school and college credit and are typically open to juniors and seniors. In rare instances, a sophomore who has the ability to do college-level work may get counselor permission to take joint enrollment courses. Freshmen and sophomores may enroll in *Project Lead The Way* joint enrollment courses without counselor permission. A complete listing of joint enrollment courses follows; joint enrollment courses are shown in *italics* in the course guide.

To enroll in their first joint enrollment course, students must demonstrate that they are proficient in reading, mathematics and science on the district's ITED assessment (ITBS for freshmen). Students have an opportunity to demonstrate proficiency on a second assessment (e.g., ACT PLAN or ACT EXPLORE for freshmen) in areas where they are

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non-proficient. In rare instances, the principal may make an exception for admission into a joint enrollment course. Some college-credit courses have additional prerequisites.

Prior to enrolling in their 7th college credit, students must have an ACT score on file or take the COMPASS test offered at no expense to the student.

Joint enrollment courses are typically taught at the high school by Scott Community College (SCC) adjunct instructors who are Davenport School District teachers. Students get registered as SCC students during the first week of class and at the end of the course, they receive a transcript from SCC showing their credits and their grades. Students who are unsuccessful may drop out of the college credit portion up to 2 weeks prior to the end of the grading period. However, students can be successful if they devote the time and effort it takes to do the college-level work.

Note: Joint enrollment credits may benefit students who attend a community college or a 4-year college. Transfer equivalencies for several colleges can be found by doing a Google search on: community college “course equivalency guide”.

AP Credit and Joint Enrollment Credit Comparisons

	Advanced Placement (AP)	Joint Enrollment
Description	AP courses enable high school students to participate in college-level course work while still in high school. The AP courses offered currently were created by teams of leading educators nationally and are audited at the College Board.	Joint enrollment courses are college-level courses taken by high school students. They receive college and high school credit at the same time. Courses are taught by college-approved instructors.
Eligibility	Students must demonstrate proficiency in reading, mathematics and science. Each high school develops its own criteria for student participation in these rigorous courses. Typically, courses are open to students in grades 10 – 12 who are in good academic standing.	Students must demonstrate proficiency in reading, mathematics and science. Typically, courses are open to students in grades 11 – 12 who are in good academic standing. Counselor permission is required for freshmen and sophomores in all joint enrollment courses except <i>Project Lead The Way</i> . Specific eligibility requirements will be provided by your high school counselor.
Grades	AP course grades are given by the teacher.	High School students are taught and graded in the same way as other college students in the same course.
College Credit	Students must take an AP exam to receive college credit. The credit received is based on scores earned. Over 90% of U.S. colleges and universities, as well as colleges in 20 other countries, give credit for AP exams.	Scott Community College awards credit immediately after students successfully complete the course. Many courses transfer to Iowa’s public universities when a student earns a “C” or better, but students should check with the post-secondary school of their choice for transfer options.
Costs	Advanced Placement courses are free. Students are required to take the AP Exam.	Scott Community College credits are awarded at no cost.

	Advanced Placement (AP)	Joint Enrollment	
Courses	AP Biology	WEL 217	Advanced Gas Metal Arc Welding
	AP Calculus	AUT 524	Automotive Brake System & Services
	AP Chemistry	AUT 164	Automotive Engine Repair
	AP English Literature and Comp	AUT 115	Automotive Shop Safety
	AP French Language	AUT 404	Automotive Suspension & Steering
	AP Spanish Language	CON 170	Building Construction Techniques I
	AP Statistics	CON 171	Building Construction Techniques II
	AP Studio Art	ECE 133	Child Health, Safety & Nutrition
	AP US Government & Politics	EGT 460	Civil Engineering & Architecture
	AP US History	ENG 107	Composition I: Technical Writing
		EGT 450	Computer Integrated Manufacturing
		GLS 100	Contemporary World Issues
		EGT 420	Digital Electronics
		ECE 242	Early Childhood Guidance
		EDU110	Exploring Teaching
		EDU212	Educational Foundations
		BUS 106	Employment Strategy
		EGT 470	Engineering Design & Development
		ENV 111	Environmental Science
		ACC 142	Financial Accounting
		CIS 251	Fundamentals of Web Design I
		WEL 129	Gas Metal Arc Welding-Basic
		WEL 133	Gas Tungsten Arch Welding
		HCM 212	Industry Management
		PSY 111	Intro to Psychology
		EGT 400	Introduction to Engineering
		CIS 171	Java
	ACC 146	Managerial Accounting	
	MAT 110	Math for Liberal Arts	
	EGT 410	Principles of Engineering	
	SPC 112	Public Speaking	
	HCM 100	Safety & Sanitation	
	WEL 126	Shielded Metal Arc Welding Basic	
	CIS 606	Visual Basic	

POSTSECONDARY ENROLLMENT OPTION (PSEO)

The Postsecondary Enrollment Options Act is intended to promote rigorous academic pursuits and to provide a wider variety of options to qualified high school students. The act allows students in grades nine through twelve to enroll part-time in nonsectarian courses in eligible postsecondary schools. A ninth or tenth grade student must be identified as a gifted and talented student, according to the school district's criteria, to participate in this act. The following information is intended to respond to frequently asked questions about the Postsecondary Enrollment Options Act.

- 1. Which students are eligible to participate in this act?** Students in the eleventh or twelfth grade and those ninth and tenth grade students identified as gifted and talented who are prepared to pursue academic studies beyond curricular offerings of the Davenport Community Schools. Students must demonstrate proficiency in reading, mathematics and science. Students approved to participate in this act are expected to have a well-documented academic history and a well defined career objective. A student who has already earned all the credits needed to graduate from our district (including specific subject area requirements) is **not** eligible for the Postsecondary Enrollment Option. Any college-level courses taken by such a student prior to his/her formal high school graduation are at his/her own expense. Students who have not yet earned all the credits required for graduation are eligible for the Postsecondary Enrollment Option only if they have successfully completed the highest level course our district offers in the area of study they want to pursue or if students want to pursue an academic area not included in our district's curricular offerings.
- 2. What postsecondary educational institutions may a student enroll in under this act?** Most accredited Iowa institutions, either public or private. Please check with your guidance counselor to be sure the school you are considering participates in the PSEO option.
- 3. May a student enroll full-time at the post-secondary institution and what is the maximum amount of time a student may enroll?** A student may enroll full time. To avoid costs to the student, s/he will have to enroll at more than one post-secondary institution. The other option is to take fewer than 12 credit hours per semester at one institution. Twelve credit hours or more per semester is considered full time. Please see your guidance counselor for more details on the Senior Year Plus rules and regulations.
- 4. May a student enroll in an eligible postsecondary education institution under this act if a comparable course is offered by the Davenport Community Schools?** No, students may not enroll in a course if a comparable course is available in the local school district.. The opportunities afforded under the act are intended to augment the offerings of local school districts, not replace them. Eligible courses will be the logical and natural extension of the school district's curriculum and the student's academic pursuit. Students/parents should not assume that all postsecondary courses for which the district has no comparable courses to be eligible under this program. Eligible courses will be determined after consultation with building and district personnel.
- 5. Who furnishes transportation for students attending postsecondary institutions under this act?** The parent/guardian is responsible for furnishing transportation to and from the postsecondary institution.
- 6. What is the cost to a student for enrolling in a course under this act?** There will be no charge to the student for tuition, textbooks, materials, or fees. However, students may be required to purchase equipment that becomes their property. The act provides that school districts pay a reimbursement to the postsecondary institution of the actual cost up to a maximum of \$250 per course.
- 7. What must a student do to enroll in a course under this act?** First, the student must discuss his/her intent with the school counselor before contacting or enrolling in a postsecondary school. Second, the student must apply at the eligible postsecondary institution and meet the admissions requirements. Third, the student must sign a statement indicating the student and parent or guardian has received information about the act from the school district. The Davenport Community Schools will assume no financial obligation unless these steps are followed.
- 8. What must the Davenport Schools do before the student is eligible to enroll in courses under this act?** The District must certify the eligibility of the student to participate under the act and approve all course selections.
- 9. What must the postsecondary institution do before a student may enroll in a course under this act?** The postsecondary institution must send a notice of acceptance to the student, the Davenport school district and the Iowa Department of Education. This notice must identify the courses, the clock hours of attendance and the number of hours of postsecondary academic credit.
- 10. Is there an annual deadline for enrolling in classes under this act?** Answer: The process of enrolling under the act is quite involved and can be very time consuming. The process should begin at the time of registration for high school classes for the following year (normally takes place in February) and should be completed by the end of May. No application will be considered after August 15 (1st term) or December 15 (2nd term) A student anticipating participation in the Postsecondary Enrollment Option should inform the school district by March 15 of the intent to enroll in postsecondary courses during the next school year.
- 11. What credit will a student receive from the Davenport Community Schools for courses completed under this act at a postsecondary institution?** Answer: The Davenport Community Schools will award .5 units of credit for each postsecondary course completed under this act. The credit will count toward applicable graduation requirements of the Davenport Community Schools, will be included in the student's GPA and will be recorded on the student's high school transcript.

DCSD APEX Credit Recovery Guidelines

Currently, APEX Learning provides courses online which the DCSD uses for credit recovery purposes. Guidelines for APEX are as follows:

- Students must have failed the course before they can be registered in APEX to "recover" the grade. (They may have failed the course in any school district – not only DCSD.)
- APEX is considered an extension of the DCSD course. Therefore, the failing grade will be changed to the grade achieved in APEX.
- The PE course may only be taken once for a maximum of 0.5 credits. It is the equivalent of course numbers 230122.
- Summer School courses must be completed by the end of the first term.
- Students must complete credit recovery courses prior to the first day of the next school year in order to qualify for a diploma dated the previous year.

DCSD APEX Credit Recovery Guidelines

- Students may work on the computer scored activities outside of the school day.
- Students are required to take the Teacher Scored Tests. These tests must be taken under supervision of a school designated person and are graded by a content area teacher. If there is a discrepancy between the computer scored activities and the Teacher Scored Tests, the Teacher Scored Tests will have the greater weight. Students must achieve a score equal to or greater than 60% on the Teacher Scored Tests.

If there are special circumstances, the building site coordinator is to notify the District APEX facilitator. The District APEX facilitator will review the circumstances with the appropriate Executive Director and Building Personnel.

KIMBERLY CENTER EAST

Kimberly Center is the Davenport Community Schools Alternative High School. Students must obtain their counselor's endorsement and administrative permission to enroll in Kimberly Center East.

INDEPENDENT STUDY COURSES

Independent Study courses are intended for select juniors or seniors who have demonstrated responsibility, self-discipline and motivation. The program is initiated when students wish to explore a problem in depth for an extended period of time. It is expected that the student would have completed courses within the department and preferably with the teacher supervising the Independent Study. Independent Study courses are not designed to replace or duplicate a class within the regular curriculum. Application for Independent Study should be completed through the Guidance office at the time of registration.

GENERAL INFORMATION

REQUIREMENTS FOR GRADUATION

Board Policy 503.11

Twenty-six (26) credits are required for graduation from the Davenport High Schools.

Basic requirements within the twenty six units (26) to be completed in grades nine through twelve are:

- Language Arts: Four units (8 terms)
- Mathematics: Three units (6 terms)
- Science: Three units (6 terms)
- Social Studies: Three units (6 terms)
- Physical Education: Two units (4 terms) Includes Lifetime Fitness Education*
- Computer Technology Course
- CPR Training beginning with the class of 2012

Additional requirements:

- Maintain a full schedule through the third year.
- The new graduation requirements will be fully implemented with the students who were in eighth grade during the 2004-2005 school year. It is intended that these students, as seniors would realize the full intent of the new graduation requirements. Credit for Physical Education will be phased in. The class of 2007 will need 21.0 units to graduate and the class of 2008 will need 21.5 units to graduate.

Non-traditional graduations are addressed in Board Policy #503.14--Non-Traditional Graduation and include guidelines for mid-term and summer graduations, home instruction graduation and accelerated graduation.

Based on these adopted requirements, the administration shall identify goals, objectives and procedures in each subject area as well as the methods or means for evaluation. The Board approves all basic instructional materials used in each area in fulfilling the above requirements. In all cases, the administration is responsible for ensuring that graduation requirements meet or exceed all minimum requirements established by the Code of Iowa and the Iowa Department of Education.

*(The Lifetime Fitness Education course contains a health component.)

- Cross References: Board Policies #503.14 Non-Traditional Graduation
- Legal References: Chapter 12 (Iowa Administrative Code, Rules of Iowa, 281-12.5(256) Educational Programs
- By action of the Board: 11/8/76; Revised 7/11/83, 11/12/90; Revised 6/10/96; Revised 12/8/97; Revised 1/08/01; Revised 10/11/04; Revised 12, 20/04; Revised 8/14/06; Revised 6/09/08
- Revised 9/27/10
- Edited 6/08, 9/10

GENERAL INFORMATION (Con't)

TRANSFER STUDENTS

Students transferring to a Davenport high school must meet the graduation requirements as defined by the Board of Education of the Davenport Community School District. The enrollment and placement of transfer students is tentative pending the receipt and evaluation of official transcripts.

STUDENT RECORDS ACCESS

The Davenport Community School District maintains records on each student in order to facilitate the instruction, guidance and educational progress of the student. The records contain information about the student and his/her education and may include but are not limited to the following types of records: Identification data, attendance data, record of achievement test results, educational and vocational plans, honors and activities, discipline reports, objective counselor or teacher observations and external agency reports. Student records are periodically reviewed and inappropriate material is removed. At a minimum this occurs whenever a student moves from one building to another and when a student transfers out of the district. Those records not of permanent importance are destroyed within five years of graduation or discontinued attendance. Parents of handicapped students or handicapped students over age 18, will be informed when personally identifiable information in the records is no longer needed to provide educational services and before the information is destroyed.

Copy of Student Records Policy and Procedures: A copy of the procedures to be followed in exercising any of the rights under school policies, or rules pertaining to student records may be obtained from building principals or the district office of pupil records. The office of pupil records will assist those who have a primary or home language other than English by making available a copy or an interpretation of the policy and procedures in their native language.

Location of Records: The records of each student are generally located in the school which the student is attending. Any exception will be known by the person in charge of record maintenance in the building. Contact the building principal or the district office of pupil records for the name and position of the person responsible for the student records in each building.

Right to Inspect and Review Records: Parents of students under age 18 and students over age 18 (eligible student) may exercise the opportunity to review educational records of the student. Copies of student records will be made available to parents and eligible students at no cost. Requests from parents or eligible students to view student records will be honored without unnecessary delay and in no instance more than 45 days after the request is made.

Right to Consent to Disclosure: The parent or eligible student must give prior written consent for the disclosure of records. The following persons, agencies and organizations, however, may have restricted access to student records without prior written consent of the parent or the eligible student. Any other access to student records shall be only upon written consent or upon court order or legally issued subpoena.

- A. School officials, teachers and AEA personnel with legitimate educational interest.
- B. Officials of other schools in which the student proposes to enroll.
- C. Representatives of state and local government when auditing and evaluating Federal educational programs.
- D. Officials connected with a student's educational financial aid applications.
- E. Government officials to whom information is to be reported under state law adopted prior to November 19, 1974.
- F. Organizations which process and evaluate standardized tests.
- G. Accrediting organizations for accrediting purposes.
- H. Parents of dependent children, regardless of the child's age.
- I. Appropriate parties in a health or safety emergency.

Directory Information: The Davenport Community School District has designated the following items as "Directory Information." The district may disclose any of these items without prior written consent, unless the principal is notified in writing by the parent/guardian or eligible student by October 1 of each school year or within 30 days after the student's enrollment.

Directory Information: student name, address, telephone number, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, awards received, most recent previous school attended and photograph.

Right to Amend and Appeal: Parents and eligible students may write a response to material in the record, challenge the content of the record on grounds of inappropriateness, inaccuracy or an invasion of privacy and have the records explained. Parents or eligible students, who are not satisfied with the actions of local school officials, have the right to appeal the district's decision to the Department of Education. Parents and students over age 18 may also file with the Department of Education, complaints concerning alleged failures of the school district to comply with federal legislation dealing with student records. Correspondence should be addressed to: United States Department of Education, Office of Human Resources and Administration, 400 Maryland Avenue S.W., Washington, D.C. 20202-4500.
NCAA

No Drop Guidelines: Freshman, sophomores and juniors are required to take 4 blocks of classes each term. Failure to complete any class will result in a grade of "F" on the transcript. Student schedules are based upon course selections made by students and parents during the registration process. Due to the fact high school staffing decisions and assignments are based on student selections, dropping classes is not an option. The week following each mid term is designated as "Schedule Change Week.". Changes for the next term will be accommodated based on class availability but are not guaranteed. Schedule corrections may be made for the following reasons: computer error, student failed the class, student did not meet the prerequisite and academic misplacement, health/medical reason.

Grade Reporting (Repeating a Class): The District has established a procedure to determine the appropriate grade to report when a student has retaken a class. If a student wishes to repeat a course in a sequence, the student must do so prior to taking the next course in the sequence. In most cases, the grade achieved in the second take will be the official grade for the class and should be used in figuring the students GPA. If the second take grade is lower than the first take grade, the first take grade will stand. The higher grade will always be used and will not be averaged. If the second take grade is higher, the first take grade is recorded as N/C, meaning no credit was given. If the first take grade is higher, the second take grade is recorded as N/C. N/C will indicate that the class has been taken more than once. This will allow for a complete and accurate student record.

GENERAL INFORMATION (Con't)

Iowa legislation requires that public school students create a plan that includes career options and identifies coursework needed in grades 9-12 to support the student's postsecondary education and career interests. Beginning in 8th grade, students utilize Iowa's designated "ihaveaplaniowa" career software information system (www.ihaveaplaniowa.gov/) to identify the career cluster that most interests them. They then complete an Academic Career Plan (ACP) identifying high school courses that align with it, being careful to ensure that all high school graduation and college entrance requirements are met. Each year throughout high school students have the opportunity to revise their plans as their career goals become more focused and their interests and needs change. A complete listing of high school requirements, the entire 'Course Guide' of high school offerings and additional career planning resources can be found on the district's web site (<http://www.davenportschools.org/students.asp>).

16 National Career Clusters

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. Agriculture, Food & Natural Resources 2. Architecture & Construction 3. Arts, A/V Technology & Communications 4. Business, Management & Administration 5. Education & Training 6. Finance 7. Government & Public Administration 8. Health Science | <ol style="list-style-type: none"> 9. Hospitality & Tourism 10. Human Services 11. Information Technology 12. Law, Public Safety, Corrections & Security 13. Manufacturing 14. Marketing, Sales & Service 15. Science, Technology, Engineering & Mathematics 16. Transportation, Distribution & Logistics |
|---|---|

ADVISOR/ADVISEE

Advisor/Advisee (PAWS; Homeroom) (084209, 084210, 084211, 084212) An advisory class is a program in which each teacher in the school is assigned to mentor the same group of students for four years of high school. Each advisory teacher will deliver the grade specific curriculum that will better prepare students for graduation and 2 to 4 years of postsecondary opportunities. The class meets twice a month and additional sessions during registration and preparation for state testing. **Students will receive .125 credits per year.**

BUSINESS EDUCATION

Subject	Course Numbers	Units per course	Grade level offered				Prerequisites and related information
			9	10	11	12	
Word Processing	020411	0.5	X	X	X	X	Satisfies technology graduation requirement for students who cannot key 30 wpm on a 3 min. timed test with 3 or fewer errors using the touch typing (2-hand) home row method
Computer Applications I	030311	0.5	X	X	X	X	Satisfies technology graduation requirement Pre-requisite: One term of Word Processing or the ability to key 30 wpm on a 3 min. timed test with 3 or fewer errors using the touch typing (2-hand) home row method.
Computer Applications II	030321	0.5	X	X	X	X	Computer Applications I
Visual Basic Net I (CIS 606)	032411	0.5		X	X	X	ACT or COMPASS Test -See page 1; Counselor permission required for sophomores; Algebra recommended. 3 college credits
Advanced Visual Basic Programming	032421	0.5		X	X	X	Visual Basic Net I (CIS 606)
Java (CIS 171)	032611	0.5		X	X	X	ACT or COMPASS Test -See page 1; Counselor permission required for sophomores; Algebra recommended. 3 college credits
Principles of Accounting	020770	0.5		X	X	X	None
Financial Accounting (ACC 142) 2-term course)	020771 020772	1		X	X	X	ACT or COMPASS Test -See page 1; Counselor permission required for sophomores. 3 college credits
Managerial Accounting (ACC 146) (2-term course)	020773 020774	1			X	X	ACT or COMPASS Test -See page 1; Counselor permission for sophomores. Financial Accounting (ACC 142) 3 college credits
Introduction to Business	022111	0.5	X	X	X	X	None
Business Law	276311	0.5		X	X	X	None
Operating a Small Business	022411	0.5			X	X	None Principles of Accounting recommended
Applied Economics	274141	0.5			X	X	None
Managing Your Personal Finances	222101	0.5		X	X	X	None

BUSINESS EDUCATION

Subject	Course Numbers	Units per course	Grade level offered				Prerequisites and related information
			9	10	11	12	
Fundamentals of Web Design I (CIS 251)	031641	0.5		X	X	X	ACT or COMPASS Test -See page 1; Counselor permission required for sophomores; Computer Applications I and II recommended. 3 college credits
Information Technology (2-term course)	039511 039512 039513 039514	1			X	X	Computer Applications II, Principles of Accounting recommended. Information Technology must be taken concurrently (North and West Only)
Information Technology Occupations Cooperative Work Experience (4-term course)	029711 029712 029713 029714	2				X	Computer Applications II, Accounting I recommended. Information Technology to be taken concurrently. Accounting II can be taken as the related course. (North and West Only)
Marketing Education (2-term course)	029911 029912 029913 029914	1				X	Marketing Education Cooperative Work Experience (must be taken concurrently) (North and West Only)
Marketing Education Cooperative Work Experience (4-term course)	029721 029722 029723 029724	2				X	Marketing Education Class (must be taken concurrently) (North and West Only)

COMPUTER TECHNOLOGY

Word Processing (020411) Recommended for students who still look at the keys as they type and/or have very little or no recent keyboarding experience. Students will review proper keyboarding technique and further develop their speed and accuracy. Using Office, students will learn to effectively key such items as: personal and business letters with envelopes; memos; reports with references to title pages; and centered tables with multiple columns and headings. Students will satisfy the state's career planning requirement by completing the Ihaveaplaniowa Guideway steps.

Computer Applications I (030311) For students who have taken Word Processing or a keyboarding course. This course, taught on PC computers using Windows and Office, will begin with a brush-up of proper keyboarding techniques. Microsoft Word will be used to develop and/or revise a variety of personal and business letters, reports, tables and memos. Students will also learn how to create and manipulate spreadsheets and databases using Microsoft Excel and prepare PowerPoint presentations. Students will satisfy the state's career planning requirement by completing the Ihaveaplaniowa Guideway steps.

Computer Applications II (030321) Students will use Microsoft Office Word, Excel and Access to design advanced spreadsheets, databases and word processing documents. They will prepare advanced-level PowerPoint presentations. Desktop Publishing and graphics will also be included. Students will use the Internet to access information. An integration project will be completed at the end of the course integrating Word, Excel, Access and PowerPoint.

Visual Basic Net I – CIS 606 (032411) This hands-on course covers essential aspects of Visual Basic for Windows. Students will design applications; understand controls and properties; use variables, functions and expressions; use statements and methods; use arrays; design menus; and access files. **This course awards college credit.**

Advanced Visual Basic Programming (032421) Designed for the student who has successfully completed the first Visual Basic programming course. This course will provide the student with more advanced topics in Visual Basic. Computer program solutions are implemented using Visual Basic software. The course introduces looping structures and Menu Strips. Students will be exposed to Web applications using Splash Screens with ActiveX Combo Box controls. Arrays and classes will also be demonstrated. Students will create and design Smartphone applications.

Java – CIS 171 (032611) This course provides an introduction to object-oriented programming using the Java programming language. The course covers methods, objects and classes with emphasis on modularity and reusable code. Students design programs demonstrating conditionals, iteration, array handling and event processing. **This course awards college credit.**

Information Technology (039511, 039512, 039513, 039514) Focuses on a variety of software used in the processing of information. Students will complete expert-level integrated projects utilizing Microsoft Office, manipulate images and photographs for printed material using Adobe Photoshop and create movies using Macromedia Flash. Students will develop user applications of the software to maximize operational efficiency in a variety of office and industry settings. Students will also create a career portfolio including samples of work. This course will be beneficial in many career fields including those interested in a Computer Software Engineer/Application careers.

BUSINESS EDUCATION (Con't)

ACCOUNTING COURSES

Principles of Accounting (020770) Students successfully will be able to successfully determine the profitability of a business. This course is designed for students wanting a basic principles course and could be used for preparation for advanced study in ACC142 and ACC146. Generally accepted accounting procedures will be presented, practiced and used. *There is an additional fee for materials.*

Financial Accounting – ACC142 (020771, 020772) Financial Accounting is a college-level course. It introduces students to the use of accounting concepts in the decision-making process. Information is presented from a user's standpoint as opposed to an accountant's standpoint. Identifying the role of accounting in society; basic accounting and business terminology; concepts behind financial information; accepted accounting practices; and analysis and interpretation of financial statement of sole proprietorships and corporations will be discussed. There is an additional fee for materials. **This course awards college credit.**

Managerial Accounting – ACC146 (020773, 020774) Managerial Accounting serves as the foundation for other accounting courses and for students planning careers in accounting and business administration. Emphasis is given to managerial and cost analysis activities by exposing students to accounting principles and practices. The course covers the following topics: managerial accounting; job order cost accounting; process cost accounting; activity-based costing; cost-volume-profit analysis; incremental analysis; variable costing; pricing; budgetary planning; budgetary control and responsibility accounting; standard costs and balanced scorecard; Planning for Capital Investments; Statement of Cash Flows; and Financial Analysis. There is an additional fee for materials. **This course awards college credit.**

PERSONAL/SURVEY BUSINESS COURSES

Introduction to Business (022111) Aimed at helping the student understand basic business principles and how to apply them to everyday living. Topics for study come from the following areas: career planning (seeking, obtaining and advancing); decision making; budgeting; checking and savings accounts; credit; investments; consumer buying; and the role of business in our economic system. Students may also elect to participate in a job shadowing experience. There is an additional fee for materials.

Business Law (276311) Business Law explores criminal and civil law; legal rights and responsibilities; the court system; contracts and property law. Class discussion, guest speakers and videos and written materials will provide every student with usable information for his/her daily life as well as insights into possible career choices.

Operating a Small Business (022411) Highly recommended for business students and others planning advanced studies in business administration or accounting. It is taught from the viewpoint of the small business operator, focusing on the operation (sales, pricing, promotion, personnel and finance), planning and controlling functions necessary for successful business operation. Small business models are used extensively. Students will have the opportunity to apply business principles through simulations and case studies. There is an additional fee for materials.

Applied Economics (274141) This is a Junior Achievement course which emphasizes practical elements of microeconomics and includes a business consultant who brings real life situations to blend with textbook theory. **This course receives Social Studies credit. (North only)**

Managing Your Personal Finances (222101) Designed to teach students about all aspects of personal finance. It will include such things as evaluating and applying financial information, setting financial goals, exploring earning potential, investing and understanding the importance of saving.

Fundamentals of Web Design I – CIS 251 (031641) Students will learn how to design web sites focusing on the overall web site production processes with particular emphasis on design elements involving layout, navigation, accessibility and interactivity. Students will use Adobe CS Design Premium and will learn HTML, Dreamweaver and Photoshop. **This course awards college credit.**

Independent Study (029611) Designed to allow the student to pursue an area of study not available in our standard offerings. Before registering for the course, the student must secure a faculty advisor who is convinced of the student's ability to carry out independent study and who is willing to supervise the student's program. A proposed plan of study must be submitted to the instructor before registration. That plan must be approved by the instructor, department chairperson, the student's counselor and the principal. Independent study does not meet as a regularly scheduled class. Conferences are arranged between teacher and student as needed.

CO-OPERATIVE WORK EXPERIENCE TRAINING PROGRAMS

Career Exploration Internship (089641) Students will have an opportunity to learn first-hand about a career of interest by volunteering (unpaid) at a business or community work site. A written proposal will be jointly agreed upon between the student and the cooperative work experience teacher. This can also include working in a school setting if the student has a faculty member who will be their sponsor/supervisor. Students will perform a variety of tasks that expose them to many facets of their career choice. The internship will enable students to obtain valuable knowledge and skills to help them make informed decisions about their future. Students must have at least a 2.5 GPA, an excellent attendance/discipline record and a recommendation from a teacher/counselor. Applications may be picked up from the student's counselor. (See page 10 for details.)

Information Technology – Occupations (Cooperative Work Experience) (029711, 029712, 029713, 029714) Note: Students must also be registered for a "related" class, Information Technology or Accounting II. Local businesses provide students with experience in entry-level work positions. The student receives two units of credit for the year plus wages for hours worked. Hours are arranged with the employer but must average at least 15 hours per week. The coordinator will help arrange interviews for approved positions and will visit a student on the job site to determine his/her progress and training needs. Applicants must be approved by the a work experience teacher

BUSINESS EDUCATION (Con't)

before enrollment is complete. **Students are not guaranteed a job.** Students not working may remain in the "related" class but will not receive on-the-job credit.

Marketing Education Class (029911, 029912, 029913, 029914) Note: Students must also register for Marketing Education Cooperative Work Experience when registering for this course. Students will learn the skills, knowledge and practices needed by employees, supervisors, managers and business owners. Emphasis is placed on human relations, job safety, communications, math, career exploration, economic understanding, product and service knowledge, retail selling, merchandising, advertising and personal money management. Each student will prepare a resume to have for future use in applying for jobs. There is an additional fee for materials.

Marketing Education Cooperative Work Experience (029721, 029722, 029723, 029723) Note: Students must be enrolled in the Marketing Education Class. Businesses in the community cooperate with the school by providing actual work experience and job training to the students. Students must work a minimum of 15 hours per week at a school-approved job in the retail, wholesale or service occupations. The work experience teacher must meet with each student during registration. An application must be completed and approved by the coordinator before enrollment is complete. The coordinator will assist students in arranging interviews and will regularly visit the student on the job. Students are not guaranteed a job. The student receives two units of credit for the year plus wages for hours worked.

BUSINESS CAREER ACADEMY (WEST HIGH ONLY)

Subject	Course Numbers	Units per course	Grade level offered				Prerequisites and related information
			9	10	11	12	
Academy Computer Applications II	030241	0.5		X			Computer Applications I
Academy Contemporary Literature	101052	0.5				X	English 9, Freshman Honors English or a sophomore writing course
Academy Advanced Business	022341	0.5		X			None
Academy Economics	274141	0.5			X		Academy Advanced Business
Academy American Literature	101022	0.5			X		None
Academy Speech	108141	0.5		X			None
Academy Writing Experiences	101112	0.5		X			English 9
Academy Contemporary American History	272143	0.5		X			American Studies I
Academy American Government	273041	0.5			X		None
Academy Geography	270141	0.5		X			None
Academy Senior Seminar-Employment Strategy (BUS 106) (2-term course)	029941 029942	1				X	ACT or COMPASS Test -See page 1 Completion of year 1-3 of Academy courses 2 college credits

APPLICATION AND INTERVIEW REQUIRED FOR ADMISSIONS - SEE COUNSELOR

Through a unique method of instruction, the Business Career Academy at West High School will integrate the regular academic curriculum with specialized business electives emphasizing computer and oral communication skills. Business Career Academy students will develop career portfolios, attain marketable skills and experience job shadowing, internships/co-op and service learning. Students entering as 9th graders must apply for the Academy. (Applications are available through your 8th grade counselor.) Selection of applicants is based on attendance, academic achievement and teacher recommendations.

Academy Computer Applications II (030241) Students will use the computer as a problem-solving device: designing advanced spreadsheets, databases and word processing documents to provide information needed for decision-making. Software featured in this course is Microsoft Word and Microsoft Excel. In addition, DESKTOP PUBLISHING features will be explored. There is an additional fee for materials

Academy Advanced Business (022341) Students will operate a business following the guidelines and procedures outlined in the Junior Achievement Student Company program. Business principles of leadership and teamwork will be applied through integrated group projects and simulations. Students will accumulate service learning hours and reflections for their capstone portfolio.

Academy Economics (274141) Students will develop personal and business finances. Personal finances will include: establishing credit, managing money, personal investments, taxes, insurance and major purchases. Business finances will include: creating a business plan, obtaining financing and management operations. The continuation of service learning requirements and capstone portfolio development will be emphasized.

Academy Contemporary Literature (101052) A thematically-designed course where matters of current concern are examined by students in contemporary short stories, biographies, poems, dramas, articles and essays. Magazines, newspapers, novels, television and film are also incorporated in the study of current ideas. Writing experiences varying from journal entries to expository writings. Small and large group

BUSINESS CAREER ACADEMY (WEST HIGH ONLY)(Con't)

discussions as well as individual and group projects help students explore such themes as the nature of our world, human relationships spray and awareness of self.

Academy American Literature (101022) Students explore a variety of American literature by authors from our multicultural heritage. Students experience the chronological development of American literature as well as study selected types and themes reflecting the diversity of human experience. In addition to reading stories, plays and poetry, students complete a comparative film/novel study. Writing and class discussion are also part of this literature course.

Academy Speech (108141) This is a beginning course aimed at developing poise and confidence in group speaking situations. The course deals with the fundamentals of speaking and listening in every day life. The student learns to organize and to present speeches before class audiences. Emphasis is placed on speaking, using different forms of organization and delivery. An introduction to group discussion, debate, media and parliamentary procedure may be included, as may various types of special occasion speeches.

Academy Writing Experiences (101112) Focuses on developing student writers by use of the process approach. Writing assignments of varying lengths and types include expository, descriptive and narrative writing. This includes journal writing; writing based on literature; and speaking, listening and viewing activities. Attention is given to organization, unity, coherence, sentence variety and information retrieval.

Academy Contemporary American History (272143) The study of Contemporary American History includes the social, political, economic, religious, educational and cultural history of the United States in the twentieth century. Emphasis is placed on the developments in American society and United States foreign policy.

Academy American Government (273041) A study of the organizations, functions and administration of our national political system. The course content includes an analysis of the national government, political parties and the nomination and election processes.

Academy Geography (270141) Geography presents a wide view of physical, economic, political and cultural aspects of the major regions that exist in the world. It is intended to help answer basic questions of where things are located and why people engage in certain activities. The interdependence of regions is stressed. Global economics will also be studied.

Academy Senior Seminar-Employment Strategy – BUS 106 (029941, 029942) In this capstone course, students will demonstrate their proficiencies within the integrated curriculum of the Business Academy. The students will generate various forms of written and oral communication as they prepare a professional portfolio. At the end of the senior year, the students will showcase their portfolios to the public, demonstrating attained life and business skills. There is an additional fee for materials. **This course awards college credit.**

CAREER INTERNSHIP & WORK EXPERIENCE OPPORTUNITIES

Subject	Course Numbers	Units per course	Grade level offered				Prerequisites and related information
			9	10	11	12	
Career Exploration Internship	089641	0.5			X	X	Approval of cooperative work experience teacher
Career Emphasis Internship	089642	1			X	X	Approval of cooperative work experience teacher

Every attempt will be made to place students in experiences that relate to their area of interest. However, availability of sites will ultimately determine placement

Career Exploration Internship (089641) Students will have an opportunity to learn first-hand about a career of interest by volunteering (unpaid) at a business or community work site. A written proposal will be jointly agreed upon between the student and the cooperative work experience teacher. This can also include working in a school setting if the student has a faculty member who will be their sponsor/supervisor. Students will perform a variety of tasks that expose them to many facets of their career choice. The internship will enable students to obtain valuable knowledge and skills to help them make informed decisions about their future. Students must have at least a 2.5 GPA, an excellent attendance/discipline record and a recommendation from a teacher/counselor. Applications may be picked up from the student's counselor. (See page 10 for details.)

Career Emphasis Internship (089642) Students will have an opportunity to work at one or more sites to gain in-depth knowledge and skills first-hand about one or more career fields. A written proposal will be jointly agreed upon between the student and the cooperative work experience teacher. Work experiences may consist of a variety of timeframes with possible periods of unemployment filled with volunteer service projects, self-directed studies and school-related activities. Students may be paid for some of their work, but it depends on the situation(s). Placements will be dependent upon available sites and the student's skills. Students must have at least a 2.5 GPA, an excellent attendance/discipline record and a recommendation from a teacher/ counselor. Recommendations for scholarship applications and opportunities for future employment based on contacts made during a successful internship experience are excellent. Applications may be picked up from the student's counselor. (See page 10 for details.)

CAREER INTERNSHIP & WORK EXPERIENCE OPPORTUNITIES

Career Exploration Internship	Career Emphasis Internship	Cooperative Work Experience
Typically unpaid work experience; can be business/community-based or school-related work experience if student obtains faculty sponsor.	Paid or unpaid work experience depending on situation(s); may include a variety of work-site hosts for short periods of time such as with employment agency or other business & community organizations; school projects/assignments or community service will fill in during non-employment intervals	Typically a paid work experience, all year, with concurrent enrollment in a related class;
Juniors or seniors who fulfill predetermined criteria	Juniors or seniors who fulfill predetermined criteria	Senior status
Application process required – get from and return application to counselor	Application process required – get from and return application to counselor	Application process required – get from and return application to counselor
1 term of Internship (may be repeated - with approval)	1 term of Internship (may be repeated - with approval)	1 year of Cooperative Work Experience and concurrent enrollment in the related class
Average 7.5 hours/week of work experience	Average 15 hours/week of work experience and/or school/homework; work experiences may consist of a variety of timeframes and/or at multiple work-sites with possible intervals of non-employment	Average 15 hours/week of work experience
.5 unit credit per term	1.0 unit credit per term	2 units credit/year for work experience. 1 unit of credit/year for related class
Approved by the Cooperative Work Experience teacher	Approved by the Cooperative Work Experience teacher	Approved by the Cooperative Work Experience teacher
Approved work-site or school position (linked with perceived career interests) Mutual sign-off on job description by student, supervisor and Cooperative Work Experience teacher	Approved work-site or school position (linked with perceived career interests) Job description provided by work-site host with mutual sign off (student & supervisor); student skills will determine placements	Approved work-site or school position (linked with perceived career interests) Criteria determined by Cooperative Work Experience teacher
Typically unpaid - Might be paid depending on the situation	Paid or unpaid - dependent upon work-site experience	Typically paid for work experience
Culminating activity/project(s) required (such as career paper, journal, presentation, etc.)	Culminating activity/project(s) required (career paper, journal, web site, presentation using graphics, etc.)	Activities/projects required in related class
Special certificate awarded to student documenting successful experience	Special certificate awarded to student documenting successful experience	Success documented by employer/ Cooperative Work experience teacher
Recommendation from employer and/or teacher available upon successful completion of term at student's request	Recommendation from employer and/or teacher available upon successful completion of term at student's request	Recommendation from employer and/or teacher available upon successful completion of term at student's request
Facilitated by Cooperative Work Experience instructor in conjunction with supervisor	Facilitated by Cooperative Work Experience instructor in conjunction with supervisor (upon request) at completion of term	Cooperative Work Experience teacher monitors and reviews performance at work-site and in class

DRIVER EDUCATION

Subject	Units per course	Grade level offered				Prerequisites and related information
		9	10	11	12	
Driver Education			X	X	X	Offered at Mississippi Bend AEA – 359-1371

EXPLORING TEACHING AS A CAREER

Subject	Course Numbers	Units per course	Grade level offered				Prerequisites and related information
			9	10	11	12	
Exploring Teaching (EDU 110) (2 Terms)	292241 292242	1			X	X	EDU:212 Educational Foundations is a prerequisite 3 college credits
Educational Foundations (EDU212)	292541	0.5			X	X	3 college credits

Exploring Teaching – EDU110 (292241, 292242) Designed to provide guided observation and teacher-aide services in school classrooms. Emphasis is placed on the education theory taught in other teacher-training subjects. Local school systems provide a learning experience to

EXPLORING TEACHING AS A CAREER (Con't)

the education/teaching student. Students qualifying for the program will be assigned to select elementary and secondary schools for practical classroom experience. Students will be required to complete 80 observation hours at an elementary or intermediate school. Transportation to the observation site will not be provided. The student will be required to complete observation hours outside of the normal high school day.

Educational Foundations – EDU 212 (292541) Study of the structure of American Education. What is required for proper schooling and consideration of the role of the teacher? Aboard foundations prepares the student for making career choices in school level and subject field.

ESL (ENGLISH AS A SECOND LANGUAGE) WEST HIGH ONLY

Subject	Course Numbers	Units per course	Grade level offered				Prerequisites and related information
			9	10	11	12	
ESL Writing- Level 1 (2 terms)	101131 101132	1	X	X	X	X	None
ESL Writing – Level 2 (2 terms)	101134 101135	1	X	X	X	X	None
ESL Writing – Level 3 (2 terms)	101137 101147	1	X	X	X	X	None
ESL Writing – Level 4 (2 terms)	101138 101148	1	X	X	X	X	None
ESL Reading – Level 1 (2 terms)	103111 103112	1	X	X	X	X	None
ESL Reading – Level 2 (2 terms)	103121 103122	1	X	X	X	X	None
ESL Reading – Level 3 (2 terms)	103131 103132	1	X	X	X	X	None
ESL Reading – Level 4 (2 terms)	103141 103142	1	X	X	X	X	None
ESL Transition Class	083211	0.5	X	X	X	X	None
ESL Science - Level 1 (2-term course)	170111 170112	1	X	X	X	X	None
ESL American Government-Level 1	273012	0.5	X	X	X	X	None (Even Years 2008-2009, etc.)
ESL American History-Level 1	272101	0.5	X	X	X	X	None (Even Years 2008-2009, etc.)
ESL Economics - Level 1	274111	0.5	X	X	X	X	None (Odd Years 2009-2010, etc.)
ESL Geography - Level 1	270111	0.5	X	X	X	X	None (Odd Years 2009-2010, etc.)

ESL Writing (101131, 101132 - Level 1; 101134 - Level 2; 101137 - Level 3; 101138 Level 4) This course is geared to help English Language Learners improve their writing skills. Instruction will also focus on grammar, punctuation and speaking and listening skills. Support for students in mainstream classes may be provided where needed.

ESL Reading (103111 - Level 1; 103121 - Level 2; 103131 - Level 3; 103141 - Level 4) This course is geared to help English Language Learners improve their reading skills, especially vocabulary and comprehension. Instruction will also focus on grammar, punctuation and speaking and listening skills. Support for students in mainstream classes may be provided where needed.

ESL Transition (083211) ESL Transition Class is a support class targeting English Language Learners who don't need intensive ESL services, but do need support for their other classes. In addition, through this course, students will develop study skills to help them become independent learners. This class can only be taken for one term elective credit.

The following content-area classes are taught at two levels of difficulty to meet the needs of the students at differing levels of English proficiency. Level 1 is for beginning students.

ESL Science (170111, 170112 - Level 1) A two-term science class for ELL or ELLs, this course is an introduction to science vocabulary and concepts in English for all areas of science.

ESL American Government (273012 - Level 1) ELL students learn to learn the basic structure of the United States government. This course includes a study of the Constitution and federal, state and local governments. ESL Government is offered on alternate years beginning with an even number, i.e. 2008-2009.

ESL (ENGLISH AS A SECOND LANGUAGE) WEST HIGH ONLY (Con't)

ESL American History (272101 - Level 1) ELLs learn the basics of American history starting with the Native Americans and exploration of the New World. ESL American History is offered on alternate years beginning with an even number, i.e. 2008-2009.

ESL Economics (274111 - Level 1) ELLs learn the basic concepts of consumer economics that will be useful in every day life. ESL Economics is offered on alternate years beginning with an odd number, i.e. 2009-2010.

ESL Geography (270111 - Level 1) A study of the basic concepts of U.S. and world geography geared for the ESL student. ESL Geography is offered on alternate years beginning with an odd number, i.e. 2009-2010.

FAMILY AND CONSUMER SCIENCES

Subject	Course Numbers	Units per course	Grade level offered				Prerequisites and related information
			9	10	11	12	
Clothing Technology	050611	0.5	X	X	X	X	None
Advanced Clothing	050621	0.5	X	X	X	X	Clothing Technology
Interior Design & Housing	052311	0.5		X	X	X	None
Interpersonal Dynamics	051511	0.5	X	X	X	X	None
Child Development & Parenting	050511	0.5	X	X	X	X	None
<i>Occupational Child Care Child Health, Safety & Nutrition(ECE 133) and Early Childhood Guidance (ECE 242)</i>	292311 292312	2			X	X	Child Development & Parenting; Background check required. ACT or Compass Test – see page 1 – 6 college credits
Independent Living	051321	0.5			X	X	None
Foods	050311	0.5	X	X	X	X	None
Advanced Foods	050321	0.5	X	X	X	X	Foods
International Foods	050331	0.5		X	X	X	Foods
Hospitality Management	294211	0.5			X	X	None. Open to all students but only taught at North & West
<i>Culinary/Hospitality ProStart I Sanitation & Safety (HCM 100) (2-term course)</i>	294221 294222	1			X	X	Work Experience required for students desiring national certification. Open to all schools but taught at Central - ACT or COMPASS Test – see page 1 2 college credits
<i>Culinary/Hospitality ProStart II Industry Management (HCM 212) (2-term course)</i>	294223 294224	1			X	X	Work Experience required for students desiring national certification. Open to all schools but taught at Central - ACT or COMPASS Test – see page 1 3 college credits
Culinary/Hospitality ProStart Work Experience (4-term course)	294231 294232 294233 294234	2			X	X	Concurrent Enrollment in Culinary/Hospitality ProStart, Open to all schools but taught at Central.

The following Family & Consumer Sciences Courses are designed to help students meet the demands of the “world of work” and the “work of the family” and are open to all students, with the exception of Independent Study. The cost of materials used in the courses where the project made in class is the property of the student, must be paid by the student.

Clothing Technology (050611) This course is designed to help students apply principles of clothing selection to various work and social situations. They will develop or increase skills and techniques in sewing construction, purchasing clothing and clothing care and repair. Hands-on applications of math and technical reading will enhance those skills. Students will sew projects and explore business opportunities in which they apply the skills they have learned. Students will be required to furnish or purchase all necessary materials to complete course requirements.

Advanced Clothing (050621) This course is designed for those students who want to further develop sewing skills through more difficult projects. Students will learn to make wise consumer choices as they apply math to the purchase of clothing, fabrics and accessories. Uses of crafts for leisure-time activities will be explored. There will also be a fun project in which students set up a small business and explore entrepreneurship opportunities in career fields related to clothing and crafts. Students will be required to furnish or purchase all necessary materials to complete course requirements.

FAMILY AND CONSUMER SCIENCES (Con't)

Interior Design & Housing (052311) This course covers the principles of decorating, furnishing and planning which enable the students to meet their housing needs. This course also prepares the students to make wise consumer choices regarding housing, such as in the selection of flooring, wallpaper, paint and window treatments. Students will draw a floor plan to scale and have the opportunity to develop their creativity and talents by working on various projects.

Interpersonal Dynamics (051511) Communication skills, interpersonal relationships, conflict resolution and decision-making are emphasized in this class. Opportunities to examine the role of dating and the pressures associated with adult responsibilities are explored. Students will identify potential problems and learn coping skills for dealing with society's pressures. Drugs, abuse, sexually transmitted diseases, AIDS, family planning, financial problems, divorce and death are topics of discussion.

Child Development & Parenting (050511) This course is designed to help the student understand, appreciate and enjoy children. How a child develops physically, emotionally, intellectually and socially from conception to five years of age will be studied. Observation of and participation with children will be provided through a short pre-school experience. This course must be taken prior to taking Occupational Child Care.

Occupational Child Care - ECE 133 & ECE 242 (292311, 0292312) Curriculum in Occupational Child Care (OCC) focuses on working observations with newborn, infant, toddler and preschool development. It also covers such topics as early elementary education and special education. Lesson design, thematic planning and experiences in a preschool classroom setting are provided. After OCC, senior students have the opportunity to participate in the internship program. These internships have occurred in local daycare centers, elementary and secondary schools and schools that accommodate exceptional children. Students must pass a background check. Transportation will be provided or students may drive. **This course awards college credit.**

Independent Living (051321) Students will develop skills in establishing credit; managing money; using banking services; acquiring and maintaining a motor vehicle; finding a place to live; and selecting food, clothing and furnishings on a budget. Emphasis is placed on students learning decision-making skills and choosing a career. OPEN TO 11TH AND 12TH GRADERS ONLY.

Independent Study (059911) This course is designed to allow the student to pursue an area of study not available in our standard offerings. Before registering for the course, the student must secure a faculty advisor who is convinced of the student's ability to carry out independent study and who is willing to supervise the student's program. A proposed plan of study must be submitted to the instructor before registration. That plan must be approved by the instructor, department chairperson, the student's counselor and the principal. Independent Study does not meet as a regularly scheduled class. Conferences are arranged between teacher and student as needed.

Foods (050311) This course provides practical cooking experience for each student. The time is spent preparing a wide variety of foods. Learning activities will emphasize the basic skills of food cookery, principles of good nutrition and rules of etiquette. The hands-on, project-based approach to learning in a foods lab is an excellent way to enhance math, science and technical reading skills.

Advanced Foods (050321) Students build on the skills and techniques learned in Foods as they prepare more elaborate foods and meals. Menu planning, purchase and storage of food, time management, food technology, culinary-related careers and the relationship between good eating habits and a healthy life-style are studied.

International Foods (050331) This course provides students with information about the geography, culture and customs of various countries and regions of the United States. Students will have the opportunity to prepare the foods of these areas while they expand their own multi-cultural awareness of the world.

Hospitality Management (294211) Exposes students to a broad background in lodging, food service, transportation, retail and activities in travel and tourism. Frequent guest speakers and field trips will give students first-hand knowledge of a vast assortment of job opportunities in one of today's fastest growing industries.

Culinary/Hospitality ProStart I & II - HCM 100 & HCM 212 (294221, 294222, 294223, 294224) Students will be introduced to the fast growing industry of culinary (foods)/hospitality careers. The ProStart curriculum is developed by the National Restaurant Association. Skills related to the food (culinary) industry and other service occupations will be covered in the class setting. This is a 4-term class open to juniors and seniors. The class offers both classroom learning and work experience to succeed in these careers. **Hours outside of normal school day are required occasionally.** Students will be assisted in finding a job where they will need to work 400 paid hours during the school year. Students desiring national certification must also register in Culinary/Hospitality ProStart Cooperative Work Experience when registering for this course. After completing the 4 terms of class and the hours of employment, students will get a national certification that will qualify them for articulation at a community college culinary arts programs and some 4-year programs. **These courses award college credit.**

Culinary/Hospitality ProStart Work Experience (294231, 294232, 294233, 294234) Students do actual work experience and job training in a food service business or related field. The student must work a minimum of 400 hours of paid employment during the school year. Students will be assisted in finding a job. Students must be enrolled in the Culinary/Hospitality ProStart class. It is open to juniors and seniors. After completing the 4 terms of class and the hours of employment, students will get national certification that will qualify them for articulation at community college culinary arts programs and some 4-year programs.

FINE ARTS – MUSIC							
Subject	Course Numbers	Units per course	Grade level offered				Prerequisites and related information
Fundamentals of Music (2-term course)	114111 114112	1			X	X	None
Band (2-term course)	112101 112102	1	X	X	X	X	Grade 7/8 Band Training
Orchestra (2-term course)	112401 112402	1	X	X	X	X	Grade 7/8 Orchestra Training
Orchestra Winds (2-term course)	112451 112452	1	X	X	X	X	Concurrent enrollment in Band
Freshman Chorus	113013 113014	1	X				At discretion of director
Singers	113031 113032		X	X	X	X	At discretion of director
Concert Chorale (2-term course)	113001 113002	1	X	X	X	X	At discretion of director
Varsity Chorus (2-term course)	113041 113042	1	X	X	X	X	At discretion of director
Women's Chorus (2-term course)	113051 113052	1	X	X	X	X	At discretion of director
Show Choir (2-term course)	113101 113102	1	X	X	X	X	Enrollment in one other choir
Chamber Singers	113141 113142	1	X	X	X	X	Concert Chorale Membership

Fundamentals of Music (114111, 114112) Offered for the student who has a serious interest in music. Included in the course will be an emphasis on basic theory, history, ear training, compositions and listening. The signature of the band, orchestra or vocal director is required. This course may require a materials fee.

INSTRUMENTAL MUSIC

Students enrolled may be required to purchase performance apparel and/or pay a uniform rental fee. Students using a school owned instrument will be assessed an annual repair/maintenance fee.

Band (112101, 112102) The approval of the band director is required in order to enroll in Band. Students meet five class periods plus one individual lesson per week. Out of school rehearsal time may be required. At West, students are required to be in attendance at 7:00 AM three times per week during the marching season. At Central, marching band is a credited course open to all band students, meeting outside the school day 3-4 times a week. All band students are welcome, but not required to be in marching band. Students must be co-enrolled in one of the 3 concert bands.

Orchestra (112401, 112402) The orchestra director's approval is required. Students meet five class periods plus one individual lesson per week.

Orchestra Winds (112451, 112452) The orchestra and band directors' approval is required.

VOCAL MUSIC

Limited opportunities exist for solo and ensemble instruction. Weekly lessons will be offered on the basis of available instructional time. A copy of the selection criteria form is available from the instructor. No credit is granted for this instruction. Students receiving individual or ensemble instruction must be enrolled in a vocal music department course. Attendance at performances of the group the student is enrolled in is required, unless waived by instructor. Students are encouraged to audition for the annual musical and variety show. Students enrolled may be required to purchase performance apparel and/or pay a uniform rental fee.

Freshman Chorus (113013, 113014) A 9th grade mixed choir.

Singers (113031, 113032) An entry level mixed choir.

Varsity Chorus (113041, 113042) A middle mixed choir.

Women's Chorus (113051, 113052) An upper level women's choir.

Chamber Singers (113141, 113142) An upper level mixed choir.

Concert Chorale (113001, 113002) An upper level mixed choir.

Show Choir (113101, 113102) A competitive vocal show choir. Enrollment in another curricular chorus is required.

FINE ARTS – VISUAL ARTS							
Subject	Course Numbers	Units per course	Grade level offered				Prerequisites and related information
			9	10	11	12	
Art Foundations (2-D)	118921	0.5	X	X	X	X	None
Drawing (2-D)	116111	0.5	X	X	X	X	None
Painting (2-D)	116221	0.5	X	X	X	X	None
Claywork	116411	0.5	X	X	X	X	None
Sculpture	116312	0.5	X	X	X	X	None
Jewelry Design & Production	118931	0.5		X	X	X	Art Foundations or Drawing and Claywork or Sculpture
Photography	117111	0.5	X	X	X	X	Student must have their own digital camera
Advanced Photography	117121	0.5	X	X	X	X	Photography, student must have their own SLR film camera
Computer Graphics & Design I	116511	0.5	X	X	X	X	None
Computer Graphics & Design II	031541	0.5		X	X	X	Computer Graphics & Design I
Computer Graphics Printing (2-term course)	031521 031522	1	X	X	X	X	Computer Graphics & Design (West only)
Motion Graphics/Video (2 terms)	117331 117332	0.5			X	X	Computer Graphics & Design I and II
Art Portfolio	118341 118342	0.5		X	X	X	Drawing and one of the following courses: Art Foundation, Painting, Computer Graphics I or II, Photography, Advanced Photography, or with permission of the instructor. May be repeated
Advanced Studio (3-D)(1-term)	116421	0.5		X	X	X	Claywork, Sculpture, Jewelry Design & Production. May be repeated.
AP Studio (3-term course)	118211 118212 118213	(1.5) 1.5				X X	Minimum of 3 - 2D classes or teacher approval.

Art Foundations (118921) A general survey of the visual arts. It will provide a variety of studio experiences in such areas as drawing, painting, ceramics and mixed media. The course deals with the elements of art, principles of design and the history of art. There is an additional fee for materials.

Drawing (116111) In this course students learn skills and techniques needed to express and communicate their ideas and feelings through various drawing materials and techniques. An introduction to the history of drawing is included. There is an additional fee for materials.

Painting (116221) This advanced course challenges students to become skilled creators of painted images. Students become knowledgeable about painting media, techniques and styles. An introduction to the history of painting is included. There is an additional fee for materials.

Claywork (116411) Provides students many opportunities to design and form different objects in clay. Many processes are introduced, such as slab construction, coil construction and wheel throwing. An introduction to the history of ceramics is included. Students are encouraged to explore the work of individual artists as they relate to their projects. There is an additional fee for materials.

Sculpture (116312) Sculpture involves the design and creation of artistic forms and objects. Many processes are introduced such as modeling, carving and casting. An introduction to the history of sculpture is included. There is an additional fee for materials.

Jewelry Design & Production (118931) This advanced course provides students with higher level knowledge and skills in the art of jewelry design and production. Techniques including sawing, enameling, soldering, fabricating and use of "lost wax" casting procedures provide the focus for instruction. Use of torches for soldering and small jeweler's saws for cutting is necessary. There is an additional fee for materials; silver and stones need to be purchased by students outside of class.

Motion Graphics/Video (117331, 117332) This advanced course engages students with the materials, processes and artistic techniques involved in motion graphics, animation and video. Students learn about the operation of a camera, lighting techniques, camera angles, depth of field, composition, storyboarding, sound capture and editing techniques. As students advance and the instruction becomes more refined, they are encouraged to develop their own artistic style. Students may also study major filmmakers/cinematographers and their films to learn about film, television and video and their relationships to drama and theater. There is an additional fee for materials.

Photography (117111) Students will be expected to have their own digital camera. Students will explore techniques and applications of acquiring, manipulating and outputting digitized photographic images utilizing Adobe Photoshop. They will receive grounding in both technical and creative photographic processes, as well as the compositional principles of layout. There is an additional fee for materials.

Advanced Photography (117121) In this advanced course students will learn the basic aspects of black and white film processing, printing and enlarging. They will become well acquainted with the functions and purposes of darkroom equipment and darkroom

FINE ARTS – VISUAL ARTS (Con't)

procedures. A variety of approaches to photographic composition will be explored. Class activities will include slide presentations and a group photo exhibit. While back and white photography will be emphasized, digital photography and an introduction to color photography may be included. Students are expected to have their own film SLR camera. There is an additional fee for materials.

Computer Graphics & Design I (116511) This introductory graphic design course explores basic tools and processes to create digital works. It relates and applies creative expression and design principles from the field of advertising and commercial art. Students gain practical experience in generating original ideas, executing layouts, hand-rendering and preparing artwork for reproduction. It also provides a historical and contemporary view of art as students learn to critique work. There is an additional fee for materials

Computer Graphics & Design II (031541) This graphic design course continues application of tools and processes begun in Computer Graphics I to create digital works and text to communicate messages. It emphasizes design elements and principles in purposeful arrangement using both hand rendered and computer-generated design. Focus will be on advanced applications to create art products, such as advertisements, product designs and identity symbols. It investigates the computer's influence on and role in creating contemporary designs and provides a cultural and historical study of master design works of different periods and styles. There is an additional fee for materials.

Computer Graphics Printing (031521, 031522) Explores the principles and elements of design and challenges students through the production of creative solutions for promoting a variety of products and services; emphasizes building brand recognition and corporate identity through design campaigns; explores the role of the design team in generating creative design solutions; focuses on writing and verbalizing advanced design concepts; and assumes an intermediate working knowledge of industry standard software. It focuses on design using the appropriate software for organization and placement of design assets within print layouts, creative concepts, type specification, grid construction and destruction, color separation, history of layout design, copyright issues and working with printers. **(West Only)**

Art Portfolio (118341, 118342) Art Portfolio offers students the opportunity to create a professional body of work reflecting their personal style and talent. This advanced two-dimensional multimedia course is open to students in grades 10, 11 and 12 upon successful completion in Drawing and one of the following classes: Art Foundation, Painting, Computer Graphics and I or II, Photography, Advanced Photography, or with permission of the instructor. This course may be repeated for credit. Students will provide their own portfolio. There is an additional fee for other materials.

Advanced Studio (3 dimensional) (116421) This advanced class will be offered to students in 10, 11 and 12 grades who have completed courses in either Claywork, Sculpture and Jewelry Design and Production. Students will work with 3 dimensional materials and will be expected to develop a portfolio as part of the requirements for this class. Students will learn about professional artists and their work as a means to develop their own style. This course may be repeated for credit. There is an additional fee for materials.

AP Studio Art (118211, 118212, 118213) This three-term college level course is for highly motivated students who are seriously interested in the study of art; the program demands significant commitment. Students will demonstrate mastery design/drawing through two-dimensional media and processes. Many college and universities in the U.S. will grant college credit or advanced placement based on the result of the portfolio. Portfolios are also submitted for consideration for scholarships or career opportunities. Students are required to submit their portfolios to the College Entrance and Exam Board. There is an additional fee for materials.

iJAG							
Subject	Course Numbers	Units per course	Grade level				Prerequisites and related information
			9	10	11	12	
Introduction to iJAG (2-term course)	160301 160302	1.0		X	X	X	None
Principals of iJAG	160303 160304		X				Offered only at Central High School
Advanced iJAG (2-term course) <i>Employment Strategy</i> <i>BUS 106</i>	160401 160402	1.0		X	X	X	ACT or COMPASS Test -See page 1; Counselor permission required for sophomores; Completion to iJAG is strongly suggested or instructor approval 2 college credits
Career Emphasis iJAG (2 term course)	160501 160502	1.0			X	X	Successful completion of Introduction to iJAG and Advanced iJAG or instructor approval.

Introduction to iJAG (160301, 160302) Introduction to iJAG, a career exploration and preparation program, provides an educational, hands-on approach in exploring personal strengths and weaknesses. Students will work to build strengths in academic areas, time management; learn about personality and temperament, understand communication models for personal and career use identify values and understand the relationship between personal actions and consequences that follow. Students will make connections to their career interests, abilities and aptitudes by determining their education and career goals. Students will be able to demonstrate core competency attainment. All students are expected to participate in the student led Career Association. The program format involves individual assignments, team building activities/projects, academic remediation, service learning and guest speakers. Fieldtrips may be included at least one time per term. This course meets for two consecutive terms.

Principals of iJAG (160303, 16304) Principles of iJAG is a life preparation program for 9th graders that provides a hands-on approach in exploring personal strengths and challenges, skills to overcome barriers to success, expectations of the employer community and life

iJAG (Con't)

survival skills (interpersonal relations, team work, etc.). Students work to build strengths in academic areas, time management and communication. Students participate in individual and team project work to help them gain an understanding of personality, temperament and the relationship between personal actions and the consequences (both positive and negative) that follow. Students learn about and make connections to their interests, abilities, and aptitudes by determining their education and personal goals by creating an Individual Development Plan. This is a 2 term, elective course.

Advanced iJAG-Employment Strategy BUS 106 (160401, 160402) Advanced iJAG, offers an advanced career preparation program that provides an educational, hands-on approach in employability/job attainment skills (resumes, cover letters, job applications, interviewing, etc.) and work place survival skills. Students will continue their own self-study on career options, with emphasis on planning for life after high school graduation. This format involves individual assignments, team activities/projects, academic remediation, service learning and guest speakers. Field trips may be included at least one time per term. **All students** will be expected to complete a job shadow and participate in the student lead Career Association. All students will complete a professional career portfolio. This meets for two consecutive terms. **This course awards college credit.**

Career Emphasis iJAG (160501, 160502) iJAG Career Emphasis, offers students the opportunity to demonstrate their attainment of the thirty-seven core competencies by putting their career plans into action. Students will work one on one with their iJAG Specialist to gain a better understanding of the relationship between educational achievement and career planning. Through an independent study that includes individualized assignments that provide a hands on approach in their career field of interest. Students will be expected to participate in service learning activities and the student-led Career Association. This meets for two consecutive terms.

Note: Seniors enrolled in the iJAG program agree to enter into follow-up graduation. In follow-up, students are tracked for 12 months, post graduation, to monitor their transition from high school to post-secondary education, employment, or the military.

JUNIOR RESERVE OFFICER TRAINING CORPS PROGRAMS (JROTC)

ARMY JUNIOR ROTC PROGRAM (CENTRAL ONLY)

Subject	Course Numbers	Units per course	Grade level offered				Prerequisites and related information
			9	10	11	12	
AJROTC Level 1	211111 211112 211113 211114	0.5	X	X	X	X	None. Central only
AJROTC Level 2	211121 211222 211223 211224	0.5		X	X	X	AJROTC Level 1, Central only
AJROTC Level 3	212111 212112 212113 212114	0.5			X	X	AJROTC Level 1 & 2, Central only
AJROTC Level 4	212131 212132 212133 212134	0.5			X	X	AJROTC Level 1 2, & 3, Central only

Enrollment in this course for two or more terms in one school year will fulfill physical education requirements for 10th -12th graders.

AJROTC Level 1 (211111, 211112, 211113, 211114) This program is part of a multi-year sequence that is delivered during regular school hours with opportunities for many extra-curricular activities. Some of the extra-curricular activities may include Color Guard, Drill Team and Summer Camp. Uniforms are provided at no cost to the students. Army JROTC is designed to guide students toward success in high school and beyond by stressing personal responsibility, ethics and the importance of service to the community and the nation. Cadets are taught communication skills, history, current events, technology awareness, citizenship and physical fitness. Army JROTC provides an incentive to live a drug free life, an appreciation for the military services and their accomplishments, an opportunity to work as a member of a team and encouragement to graduate from high school. It teaches leadership skills like how to motivate others and personal skills like how to

study, take tests and interview for jobs. Students can earn tangible rewards for accomplishments including promotions, ribbons, medals, honors and appointments to leadership positions. Combat skills are not taught and there is no military obligation incurred by participating in the program. Army JROTC is not specifically a recruitment program for the Armed Services, but students wishing to pursue the military may qualify for substantial benefits including scholarships. **Students must take Army JROTC for a minimum of two consecutive.** Any student interested in Army JROTC is encouraged to sign up for Army JROTC for both semesters (all four terms).

AJROTC Level II (211121, 211222, 211123, 211124) Leadership Education and Training (LET) Level II is part of a multi-year program of instruction that enhances and develops further what the student has learned in LET Level I. LET Level II will provide each student with many challenges and opportunities designed to: sharpen communication skills, promote citizenship, enhance leadership skills, enhance self

ARMY JUNIOR ROTC PROGRAM (CENTRAL ONLY) (Con't)

esteem, improve physical fitness and promote graduation from high school. LET Level II will focus on the following units of learning: Techniques of Communication, Leadership, Cadet Challenge, Leadership Lab, First Aid and Hygiene, Map Reading, American Military History, Role of the U.S. Army and Career Opportunities. Students are assigned to responsible leadership positions within the JROTC Blue Devil Battalion. **Students must take Army JROTC for a minimum of two consecutive terms – either “A” and “B” terms or “C” and “D” terms.** Any student interested in Army JROTC is encouraged to sign up for Army JROTC for both semesters (all four terms).

AJROTC Level III (212111, 212112, 212113, 212114) This program is the third class in a multi-term sequence. Cadets in this class receive intermediate level instruction and guidance in personal communications and leaderships skills while studying history, geography, nutrition, health and physical fitness. Cadets continue to earn small group and Battalion leadership opportunities. Army JROTC is designed to guide students toward success in high school and beyond by stressing personal responsibility, ethics and the importance of service to the community and the nation. Cadets are required to wear the JROTC dress uniform and a physical fitness uniform (nominal fee for individual shirt.) Cadets can earn tangible rewards for accomplishments including promotions, ribbons, medals, honors and appointments to the Cadet Battalion leadership positions. Army JROTC is not a recruitment program and students do not incur any type of military commitments. However, assistance is available to qualifying students wish to apply for ROTC admission and scholarship at the college level. Extra-curricular activities include a Color Guard team used at school and local functions, Drill Teams that can complete at the regional and national levels and a competitive, physical fitness team that competes at local and regional physical challenge competitions. **Students must take Army JROTC for a minimum of two consecutive terms – either “A” and “B” terms or “C” and “D” terms.** Any student interested in Army JROTC is encouraged to sign up for Army JROTC for both semesters (all four terms).

AJROTC Level IV (212131, 212132, 212133, 212134) This program is the fourth class in a multi term sequence. **Cadets in this class must be selected by the Senior Army Instructor.** Written permission is required to sign up. Cadets in this class receive executive level instruction. Cadets learn how to teach classes and act as the Instructors advisor. Cadets must be in a student leadership position prior to requesting permission to be in level r. Cadets in this level must not have nay medical or physical issues that would preclude them form **FULL participation** in ARJOTC. Students in level 4 are expected to meet all the standards of the three previous levels and will directly supervise other cadets. Demonstrated proficiency with verbal and written communication is expected prior to level 4. Cadets in level 4 will be expected to work independently without much direct supervision from the instructors. Cadets in level 4 are expected to accomplish all tasks assigned without much supervision. **Again, written permission from the Senior Army instructor is mandatory to be placed in level.**

MARINE CORPS JUNIOR ROTC PROGRAM (NORTH ONLY)

Subject	Course Numbers	Units per course	Grade level offered				Prerequisites and related information
			9	10	11	12	
MCJROTC Level 1	211111 211112 211113 211114	0.5	X	X	X	X	None. North only
MCJROTC Level 2	211221 211222 211223 211224	0.5		X	X	X	MCJROTC Level 1, North
MCJROTC Level 3	212111 212112 212113 212114	0.5			X	X	MCJROTC Level 1 & 2, North
MCJROTC Level 4	212121 212122 212123 212124	0.5				X	MCJROTC Level 1, 2, & 3, North

Enrollment in this course for two or more terms in one school year will fulfill physical education requirements for 10th -12th graders.

MCJROTC Level 1 (211111, 211112, 211113, 211114) Introduces the cadets to the major subjects of the curriculum to lay a foundation for the four-year sequence. Marine Corps drill and ceremony is emphasized. Leadership Tenets, Physical Fitness and Health, Drill and Ceremonies, Elementary Public Speaking, Technology Training, Military Organization and Orientation are the six major components. Course materials include a student text, workbook and training aids. Uniforms for students will be furnished by the USMCORPS without cost to the student. Students will have the opportunity to participate in drill and academic performances, as well as competitions with other MCJROTC schools locally and across the country.

MCJROTC Level 2 (211221, 211222, 211223, 211224) Students are introduced to leadership application beyond the small unit level. The practical application of Marine Corps history, leadership, drills, commands and ceremonies are used in student leadership training. Further, students continue physical education and study selected topics such as military justice, map reading, intermediate public speaking and

theories/psychology of learning. Students are assigned to responsible positions within the cadet battalion organization. Students are instructed in scholarship application procedures.

MARINE CORPS JUNIOR ROTC PROGRAM (NORTH ONLY)

MCJROTC Level 3 (212111, 212112, 212113, 212114) Students are introduced to the mission and organization of the Marine Corps at the major command level. Students study national security organization, the U. S. Constitution, explore world ideologies and current world leaders, as well as complete a research paper. Students continue physical education and advanced public speaking. Students are assigned to the top-level positions of leadership and responsibility. (See Gunnery Sgt. Livingston or Sgt. McNeil for more information.)

MCJROTC Level 4 (212121, 212122, 212223, 212224) Students are introduced to resolving conflicts within groups. Students study responsibility of senior officers. Students are prepared for college, job market, or military service through resume writing or ASVAB testing. Students are taught the importance of registering for selective service. Students write research papers to prepare them for teaching lessons and the actual delivery of instruction to his/her fellow students. Students also continue physical education.

LANGUAGE ARTS

Subject	Course Numbers	Units per course	Grade level offered				Prerequisites and related information
			9	10	11	12	
English 9 (2-term course)	100514 100515	1	X				None
Freshman Honors English (2-term course)	100131 100132	1	X				Receives English 9 credit
Literacy Strategies	103211	0.5	X	X			
Literacy Lab	110091	0.5	X	X	X	X	For students not meeting district reading benchmarks
Writing Experiences	101121	0.5		X			English 9 or Freshman Honors English
Journalistic Writing	190211	0.5		X			English 9 or Freshman Honors English
Speech	108111	0.5		X	X		None
Sophomore Honors Literature	100551	0.5		X			English 9 or Freshman Honors English
American Readings	101011	0.5			X	X	English 9 or Freshman Honors English and a sophomore writing course
American Literature	101021	0.5			X	X	English 9 or Freshman Honors English and a sophomore writing course
American Authors	101031	0.5			X	X	English 9 or Freshman Honors English and a sophomore writing course
Guided Writing Projects	101141	0.5			X	X	English 9 or Freshman Honors English and a sophomore writing course
Writers' Studio	102111	0.5			X	X	English 9 or Freshman Honors English and a sophomore writing course
Advanced Writing	101151	0.5			X	X	English 9 or Freshman Honors English and a sophomore writing course
AP English Literature and Composition (3-term course)	101311 101312 101313	1.5				X	Advanced Writing plus American Authors are required for this course or with permission of the instructor. Meets Junior-Senior writing requirements.
Guided Literature Projects	101041	0.5			X	X	English 9 or Freshman Honors English and a sophomore writing course
Contemporary Literature	101051	0.5			X	X	English 9 or Freshman Honors English and a sophomore writing course
In the Spirit of Poetry	102121	0.5			X	X	English 9 or Freshman Honors English and a sophomore writing course
Classical Literature	101071	0.5			X	X	English 9 or Freshman Honors English, a sophomore writing course and American Lit or American Authors
Media Experiences	192111	0.5		X	X	X	None
Introduction to Acting	111111	0.5	X	X	X	X	None
Theatre Performance	111311	0.5	X	X	X	X	Introduction to Acting
Stagecraft	111411	0.5	X	X	X	X	None
Forensic Speech - Inclusive 1	108221	0.5		X	X	X	Speech/permission of Forensic Speech Instructor.
Forensic Speech - Inclusive 2	108222	0.5		X	X	X	Forensic Speech - Inclusive 1
Advanced Public Speaking (1-term course)	108231 108232	1			X	X	Forensic Speech - Inclusive 1 & 2

LANGUAGE ARTS

Subject	Course Numbers	Units per course	Grade level offered				Prerequisites and related information
			9	10	11	12	
Newspaper Laboratory	190221 190222 190223 190224	0.5		X	X	X	Writing Experiences or Journalistic Writing. Enrollment is permitted with the consent of the instructor
Yearbook Laboratory	190231 190232 190233 190234	0.5		X	X	X	Writing Experiences or Journalistic Writing. Enrollment is permitted with the consent of the instructor
Magazine Laboratory	101161	0.5	X	X	X	X	Enrollment is permitted with the consent of the instructor
Composition I: Technical Writing (ENG 107)	102222	.5			X	X	Advanced Writing, ACT or COMPASS Test -See page 1 3 college credits
Public Speaking (SPC 112)	108541	0.5			X	X	Speech, ACT or COMPASS Test -See page 1 3 college credits

GRADE NINE

One two-term course is required for Grade 9 - English 9 or Freshman Honors English

English 9 (100514 100515) This two-term course is designed to provide students an integrated experience in the language arts: reading, writing, speaking, listening and viewing. Students will read pieces of literature of varying lengths from a variety of genres: short story, poetry, non fiction, drama and the novel. Students will critically analyze and respond to literature read. Using the writing process, varied writing experiences will be provided, including personal, expository, research and journal writing. This course will also include study skills, reading strategies and thinking strategies. Independent reading will also be required. Students must complete this course successfully prior to taking sophomore, junior and senior language arts courses. There is an additional fee for materials.

Freshman Honors English (100131 100132) This two-term course is designed to challenge the highly-motivated student who has demonstrated advanced skills in critical reading and composition. Students must meet established criteria to enroll in this course. Successful completion of this course will satisfy English 9 requirements. This course provides an intense study of literary forms and students will read challenging classic and modern texts from various genres, including poetry, short story, nonfiction and drama. Students will enhance their speaking skill and demonstrate their understanding and interpretation of literary selections through varied oral and written presentations. Students' writing will demonstrate strong proficiency within a variety of writing modes. Students will use research to deepen their critical reading abilities and develop a comprehensive paper/project. Prospective students will be given a summer reading assignment of two titles to finish before the course begins. Students who are successful in this course are expected to enroll in additional honors English and Advanced Placement English courses.

GRADE TEN

Grade 10 **Required** courses: **Two** one-term courses required.

- 1) A sophomore writing course —Choose **one** of the following:
 - a) Journalistic Writing
 - b) Writing Experiences
- 2) Speech

*A term of the year-long Forensic Speech - Inclusive offering may be substituted for Speech; however, this substitution requires obtaining permission from the Forensic Speech instructor.

Journalistic Writing (190211) Offers specialized journalistic writing experiences which include news, sports, editorials, columns, biographies, feature articles, human interest stories, survey polls and interpretive reports. Students should have high interest in writing such articles and stories as those found in newspapers and magazines. Students have the opportunity to write for the school newspaper and yearbook. There is an additional fee for materials.

Writing Experiences (101121) Writing Experiences focuses on developing student writers by use of the process approach. Writing assignments of varying lengths and types include expository, persuasive and narrative writing. This course includes journal writing; writing based on literature; and speaking, listening and viewing activities. Attention is given to organization, unity, coherence, sentence variety and informational retrieval.

Speech (108111) (Note: Students must complete this course in either the 10th or the 11th grade.) This is a beginning course aimed at developing poise and confidence in group speaking situations. The course deals with the fundamentals of speaking and listening in everyday life. The student learns to organize and to present speeches before class audiences. Emphasis is placed on speaking, using different forms of organization and delivery. An introduction to group discussion, debate, media and parliamentary procedure may be included, as may various types of special occasion speeches. Students will satisfy the State's career planning requirement by completing the Ihaveaplaniowa Guideway steps.

LANGUAGE ARTS (Con't)

GRADES 11 AND 12

Three one-term courses are required AP English Literature and Composition is a three-term course; it is open to seniors and meets both the General Literature and the Junior-Senior Writing requirements. All other courses listed are open to either juniors or seniors. It is required that students complete the American Literature requirement prior to enrolling in a General Literature or Junior-Senior Writing course.

American Literature (Choose one)

American Readings
American Literature
American Authors

General Literature (Choose one)

Guided Literature Projects
Contemporary Literature
Classical Literature
In the Spirit of Poetry
AP English Literature and Composition (A 3-term offering for seniors– meets Communications requirement also)

Junior-Senior Writing (Choose one)

Guided Writing Projects
Writers' Studio
Advanced Writing

AMERICAN LITERATURE

American Readings (101011) Students have the opportunity to read a wide range of literature reflecting America's multicultural heritage. The course incorporates study of such topics as authors, background, themes and language. This course requires active involvement of readers through selection of literature, independent reading and regular oral and written response to selections read.

American Literature (101021) Students explore a variety of American literature by authors from our multicultural heritage. Students experience the chronological development of American literature as well as study selected types and themes reflecting the diversity of human experience. Students will read plays and poetry and a novel. Writing, class discussion and independent reading are also part of this literature course.

American Authors (101031) Focuses on selected longer 19th and 20th century works of American authors, such as Hawthorne, Dickinson, Whitman, Twain, Fitzgerald, Frost and Hansberry. Selected works reflect enduring concerns of the individual and society. Students read and study a combination of forms such as the novel, short story, poem and play leading to discussion, writing activities and special projects.

GENERAL LITERATURE

Guided Literature Projects (101041) For students who desire to extend their reading in special interest areas by reading several books. Students complete at least three reading projects, which consist of several books such as the exploration of several books by one author, a meaningful idea or theme, or of an interest area. Students should expect to plan with the teacher a meaningful sequence of books to be read. Students select reading from teacher-prepared lists or other titles with teacher approval. Evaluation of students includes book conferences, written and oral, or other creative projects..

Contemporary Literature (101051) Thematically-designed course where matters of current concern are examined by students in contemporary short stories, biographies, poems, dramas, articles and essays. Magazines, newspapers, novels, television and film are also incorporated in the study of current ideas. Writing experiences varying from journal entries to expository writings. Small and large group discussions as well as individual and group projects help students explore such themes as the nature of our world, human relationships and awareness of self.

Classical Literature (101071) Designed for the student interested in a wide orientation to British and world literature. Classical Literature provides an in-depth study of selected works by major Eastern and Western world authors encompassing the Biblical, classical, medieval, Renaissance and modern eras. Written and oral responses are used to enhance the student's reading and analytical skills.

In the Spirit of Poetry (102121) Students focus on reading, writing and reciting poetry with an emphasis on writing poetry in a workshop setting. Students benefit academically and artistically by looking at popular poems sometimes missed in other courses and by having a chance to write similar poems and recite them during in-class readings. Units include, but are not limited to, old favorites, occasion poems, voice, form and image poems.

AP English Literature and Composition (101311, 101312, 101313) Advanced Placement English Literature and Composition is a three-term, college level course that emphasizes composition, literature and critical thinking. Special emphasis is critical writing and literary analysis of significant works. Literature is closely examined for its structure and meaning, with emphasis placed on independent analysis. Students' oral communication skills will be enhanced by various group and individual presentations. To enroll in AP English Literature and Composition, a student must meet specific requirements. Students are encouraged to take the Advanced Placement Exam: Literature and

LANGUAGE ARTS (Con't)

Composition. The completion of this three-term course satisfies the Junior-Senior Writing and General Literature requirements. There is an additional fee for materials.

JUNIOR-SENIOR WRITING

Guided Writing Projects (101141) Employs the workshop approach to writing and evaluation including conferences. Through guidelines provided by the teacher, students have the opportunity to select several writing projects and to write in a variety of forms. The course incorporates journaling, personal essay, fiction writing, writing based on literature and business writing. This course requires students to become actively involved in the various phases of the writing process: selecting their own topics, sharing, responding and publishing.

Writers' Studio (102111) This course is designed for the student who is interested in producing a variety of creative written works. Through guidelines provided by the instructor, students participate in creative writing projects, resulting in the development of a personal anthology. This course involves individual as well as group learning experiences/projects

Advanced Writing (101151) This advanced level course is recommended for students who wish to refine their writing skills. Instruction and practice in the writing of expository themes, descriptive writings and a research paper are provided. Advanced Writing also includes journal writing and some assignments based on literature. Students have the opportunity to develop style and refine editing skills.

ELECTIVES

All electives are one-term courses, except for Forensic Speech – Inclusive 1 & 2 and Advanced Public Speaking. Students may also elect from the writing and literature courses listed previously.

- Sophomore Honors Literature
- Literacy Strategies
- Literacy Lab
- Media Experiences
- Introduction to Acting
- Theatre Performance
- Stagecraft
- Forensic Speech – Inclusive 1 and 2 (2-term courses)
- Advanced Public Speaking (1-term course) (May be repeated)
- Magazine Laboratory (May be repeated)
- Newspaper Laboratory (May be repeated)
- Yearbook Laboratory (May be repeated)
- Composition I (*ENG 107*)
- Public Speaking (SPC 112)

Sophomore Honors Literature (100551) This one-term honors course incorporates the study of culture as it relates to literature. It is designed to provide advanced literary studies for highly-motivated students. Reading of full-length novels, short stories, poetry, non fiction and drama will be required. In addition, students will participate in independent exploration, thoughtful discussions/presentations and produce polished writing related to their studies.

Literacy Strategies (103211) To enroll in this course, students must not yet have met the district's reading standards (ITBS, ITED, or DRP). This course is designed to improve reading comprehension, fluency and vocabulary of students through the focused study of selected reading comprehension strategies. Students will read a variety of genres, including real-world texts, short stories, nonfiction and drama. Students will participate in small group instruction with the teacher, independent reading and whole-group instruction. Writing assignments will provide students the opportunity to develop their composition skills and reflect on their reading and the world around them. There is an additional fee for materials.

Literacy Lab (110091) Designed to provide literacy instruction through individualized computer instruction, direct instruction by the teacher and small group work. Students will read a variety of fiction and nonfiction texts and learn instructional strategies to support their comprehension. Students will also write in response to the text read. This course is designed for students who are not proficient on district reading benchmarks. Students earn 1.5 Language Arts credits and .5 elective credit for this year long course..

Media Experiences (192111) Open to all students wanting to improve their communication skills and to interact more effectively with the world around them. Special emphasis is given to the study and critical evaluation of film, television, newspapers, magazines and the effects of information-age technology on society and on the individual. Includes an evaluation of propaganda techniques, a wide variety of oral and written activities, group and independent projects.

Introduction to Acting (111111) Acquaints students with the actor's resources through exercises and theater games. Students experience observation, concentration, sense memory, imagination, basic stage directions, acting techniques, blocking, oral interpretive skills, mime and improvisation. Students perform individual and group scenes from selected plays. This course does not fulfill the requirement for entrance at state universities.

LANGUAGE ARTS (Con't)

Theatre Performance (111311) Designed for students who have taken Introduction to Acting. Here students extend their knowledge of the theatre by performing in a variety of acting styles. Students gain experience in voice techniques and dialects. Class scenes or a one-act play may lead to a public performance. An overview of technical theatre may be included. This class may build and paint the set for the play or musical. Students may gain experience in lights, sound, makeup and directing.

Stagecraft (111411) For students interested in extending their knowledge in the technical areas of theater. Students get hands-on experience in set construction/painting techniques, stage lighting, production staffs, makeup, sound, properties and directing.

Forensic Speech - Inclusive 1 (108221) This course provides the motivated student with an overall communications program. This is an intensive course designed for students who possess a high level of interest and public speaking skills. The course provides the student with a variety of experiences that teach self-discipline, leadership skills, creative thinking skills and effective writing and speaking skills. The course provides the student with a variety of experiences that teach self-discipline, leadership skills, creative thinking skills and effective writing and speaking skills. Forensic Speech – Inclusive 1 includes research, debate, extemporaneous speaking, interpretive speaking and original oratory. Tournament or contests participation outside the school day/week is required as a means of transferring the skills learned to an actual communication situation. Therefore, students interested in business, law, communications, or the science field would find this course the perfect companion to developing leadership skills and in preparation for furthering their education.

Forensic Speech - Inclusive 2 (108222) This course provides the motivated student with an overall communications program. This is an intensive course designed for students who possess a high level of interest and public speaking skills. The course provides the student with a variety of experiences that teach self-discipline, leadership skills, creative thinking skills and effective writing and speaking skills. The course provides the student with a variety of experiences that teach self-discipline, leadership skills, creative thinking skills and effective writing and speaking skills. Additional debate, oratory and interpretive events are taught along with additional independent projects or study trips that provide students with an opportunity to place the art of public speaking into real world contexts. Tournament or contest participation outside the school day/week is required as a means of transferring the skills learned to an actual communication situation. Therefore, students interested in business, law, communications, or the science field would find this course the perfect companion to developing leadership skills and in preparation for furthering their education.

Advanced Public Speaking (108231, 108232) Special emphasis is placed on competitive speaking situations and advanced training in the use of logical, ethical and emotional evidence as a motivating factor in speaking. Students work both independently and cooperatively in areas of individual interests. This year-long course may be taken twice for credit.

Magazine Laboratory (101161) Students who are interested in hands-on experience with all the phases of publishing a high school literary magazine benefit from this course. Students interested in reading, writing, evaluating, word processing and formatting to produce a quality literary magazine find this course rewarding. Additional goals are to allow students to gain a working knowledge of the writing process and the publication process and to gain experience in a cooperative effort. Students also gain a measure of experience in judging and rating written work. The class stresses team effort and responsibility. Enrollment is permitted with the consent of the instructor.

Newspaper Laboratory (190221, 190222, 190223, 190224) Designed for students who are editors, reporters and photographers for the school newspaper. Students expand upon their basic journalistic skills through assignments in reporting, writing, editing, design and photography in publishing the school newspaper. This course may be repeated. Enrollment is permitted with the consent of the instructor.

Yearbook Laboratory (190231, 190232, 190233, 190234) Designed for students who are editors and photographers for the yearbook. Students expand their basic journalistic skills through writing, editing, design and photography in the production of the yearbook. This course may be repeated. Enrollment is permitted with the consent of the instructor.

Composition I: Technical Writing ENG 107 (102222) A writing, speaking and reading course to prepare students for the types of communication and thought essential to the work world. The general goals of Technical Communication are that students gain more confidence in their writing abilities and improve their proficiency in critical reading and problem solving, applied to practical situations. Students will also present material orally and visually with assignments related to their content areas. Emphasis is on the writing process and learning the forms appropriate for technical communication purposes and audiences. **This course awards college credit.**

Public Speaking SPC 112 (108541) This course will assist the student in obtaining experience in public discourse. Upon completion of the course the student should be able to recognize and identify theories of public speaking. Students should be able to organize ideas, outline and provide support for informative persuasive extemporaneous speeches. Students should be able to acquire skills in audience analysis organization, delivery and critical listening and thinking. Each student should be able to demonstrate experience through practice, exercise and demonstrate experience through practice, exercise and delivery of a minimum of 30 minutes of graded speaking exercises. **This course awards college credit.**

LEARNING LAB							
Subject	Course Numbers	Units per course	Grade level offered				Prerequisite and related information
			9	10	11	12	
Learning Lab	080311	0.5	X	X	X	X	None

Learning Lab (080311) This one-term, elective course is intended as an intervention for identified students who have not met the district's mathematics and/or reading standards and benchmarks and/or achieved proficiency on the Iowa Tests of Educational Development (ITED). Students will participate in focused activities to increase their basic skills in math, reading and writing. Instruction includes direct instruction, computer-assisted learning and self-selected reading. This course may be repeated. Students meeting specific criteria are required to take this class.

MATHEMATICS							
Subject	Course Numbers	Units per course	Grade level offered				Prerequisite and related information
			9	10	11	12	
Cognitive Tutor Algebraic Principles (2-term course)	202213 202214	1	X	X			Students will be registered for this class based on need. Basic computer keyboarding skills are recommended
Algebraic Principles (2-term course)	203121 203122	1	X	X			Students will be registered for this class based on need
Cognitive Tutor Algebra 1 Part 1 & Part 2 (4-term course)	203117 203118 203119 203120	2		X	X	X	Basic computer keyboarding skills are recommended and approval of Department Chair is required
Algebra 1 (2-term course)	203111 203112	1	X	X	X	X	None
Consumer Mathematics 1	201411	0.5		X	X	X	None
Consumer Mathematics 2	201421	0.5		X	X	X	None
Intermediate Mathematics (2-term course)	202211 202212	1		X	X	X	Algebra 1 or CT Algebra 1
Geometry (2-term course)	203411 203412	1	X	X	X	X	Algebra 1 or CT Algebra 1
Algebra 2 (2-term course)	204111 204112	1		X	X	X	Geometry or consent of Department Chair
Discrete Mathematics (2-term course)	205411 205412	1			X	X	Geometry and Algebra 2
Pre-Calculus (2-term course)	205311 205312	1			X	X	Geometry and Algebra 2
AP Calculus (3-term course)	205811 205812 205813	1.5			X	X	Pre-Calculus
AP Statistics (3-term course)	206331 206332 206333	1.5			X	X	Algebra 2
Math for Liberal Arts (MAT 110)	205141	0.5			X	X	Algebra 2, ACT or COMPASS Test -See page 1 3 college credits

Students should enroll each year in math classes which are suited to their abilities and interests. Students who are planning to continue their education after graduation from high school should consult the institution of their choice to determine what mathematics courses are required for admission.

Cognitive Tutor (CT) Algebraic Principles (202213, 202214) Designed to improve the students' understanding of algebra readiness skills for their future success in Algebra 1. This course presents the algebra readiness curriculum in an alternative way: it combines state-of-the-art computer software with collaborative classroom activities. The software component, which represents 40% of the instructional time, allows students to work at their own pace using tools such as tables and models to represent and manipulate algebraic expressions and equations. The software immediately shows students whether their problem solving strategies and mathematical skills will be successful, allowing them to focus on correcting errors and developing mathematical skills that they find difficult. The text component allows students to collaborate with peers, to explore and solve real world problem scenarios and to present solutions in class. There is an additional fee for materials. A Texas Instruments TI-83+, TI-84, or TI Nspire graphing calculator is recommended.

MATHEMATICS (Con't)

Algebraic Principles (203121, 203122) Designed to improve the students' understanding of algebra readiness skills for their future success in Algebra I. Topics of study will include: Probability, Solving Equations and Inequalities, Data Analysis, Graphing on the Coordinate Plane, Solving Systems of Equations, Polynomials and an Introduction to Geometry. There is an additional fee for materials. Texas Instruments TI-83+, TI-84, or TI Nspire graphing calculator is recommended.

Consumer Mathematics 1 (201411) and Consumer Mathematics 2 (201421) Designed to meet the student's current consumer needs as well as anticipated future needs. Some topics covered are money management, automobile ownership, personal income, banking, taxes, insurance, investments and purchasing of consumer goods. A Texas Instruments TI-83+, TI-84, or TI Nspire graphing calculator is recommended.

Cognitive Tutor (CT) Algebra (Part 1 & Part 2) (203117, 203118, 203119, 203120) This course presents an algebra curriculum that combines state-of-the-art computer software with collaborative classroom activities. The software component, which represents 40% of the instructional time, allows the students to work at their own pace using spreadsheets, graphs, equation solvers and other data organizing tools to solve algebraic problems. The text component, which extends the algebraic concepts developed in the software, allows students to collaborate with peers, to explore and solve real-world problem scenarios and to present solutions to the class. Enrollment must be approved by the department chair. Note: A Texas Instruments TI-83+, TI-84, or TI Nspire graphing calculator is recommended.

Algebra 1 (203111, 203112) Uses an equation solving approach to problem solving. It moves from concrete numerical concepts to abstract concepts. It becomes the language of advanced mathematics courses. A Texas Instruments TI-83+, TI-84, or TI Nspire graphing calculator is recommended.

Intermediate Mathematics (202211, 202212) For students who have completed Algebra, but are not prepared to enroll in geometry. Topics covered are: computational skills; algebraic skills such as solving equations, graphing, polynomials, quadratic equations; basic geometric concepts and measurement and basic probability and statistics concepts. Students who are successful in this course should take Geometry the following year. A Texas Instruments TI-83+, TI-84, or TI Nspire graphing calculator is recommended.

Geometry (203411, 203412) An integrated course in plane and solid geometry. This course is designed for the development of logical and deductive reasoning through the study and analysis of facts pertaining to various two and three dimensional figures. A Texas Instruments TI-83+, TI-84, or TI Nspire graphing calculator is recommended.

Algebra 2 (204111, 204112) Reviews first year Algebra from a more advanced point of view with additional study in quadratic equations, systems of equations and exponentiation. During the second term additional topics are studies in permutation ns, combinations, probability and progressions, and a study of the real number system. A Texas Instruments TI-83+, TI-84, or TI Nspire graphing calculator is recommended.

Discrete Mathematics (205411, 205412) Designed to lay the groundwork for mathematics applications in computer science, business and applied mathematics. It will help prepare students for non-technical careers which use modern technology. Matrices, determinants, probability, logic theory, graph theory and statistics will be used to create models for solving problems. A Texas Instruments TI-83+, TI-84, or TI Nspire graphing calculator is recommended.

Pre-Calculus (205311, 205312) A study of trigonometric functions, geometric concepts from the analytic view of algebraic procedures, functions and calculus underpinnings. Technology will be used for applications and problem solving. A Texas Instruments TI-83+, TI-84, or TI Nspire graphing calculator is recommended.

AP Calculus (205811, 205812, 205813) Advanced Placement Calculus is a three term course intended for students who have a thorough knowledge of college preparatory mathematics including algebra, geometry and pre-calculus. The course includes limits, differentiation and integration with problem solving and applications. A Texas Instruments TI-83+, TI-84, or TI Nspire graphing calculator is recommended. There is an additional fee for materials.

AP Statistics (206331, 206332, 206333) Advanced Placement Statistics is a three term course introducing students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. It emphasizes sound statistical thinking rather than routine procedures. There is an additional fee for materials. Students will be exposed to several broad conceptual themes of Statistics such as exploring data, planning a study, modeling and anticipating patterns and statistical inference. A Texas Instruments TI-83+, TI-84, or TI Nspire graphing calculator is recommended.

Math for Liberal Arts MAT 110 (205141) A mathematics course designed for the liberal arts student. The course covers a broad spectrum of topics designed to help the students survey and develop skills that lead to an appreciation of the value and uses of mathematics. The course will include four units. The first three will be: Unit1: Problem Solving, Sets and Logic, Unit 2: Counting Methods and Probability and Unit 3: Statistics. The fourth unit will be chosen from the following topics: Numeration Systems and Number Theory, Consumer Math (Mathematics of Finance), Social Choice and Decision Making. **This course awards college credit.**

PHYSICAL EDUCATION AND HEALTH EDUCATION

Subject	Course Numbers	Units per course	Grade level offered				Prerequisites and Related Information
			9	10	11	12	
Lifetime Fitness Education	234111	0.5	X				Required for all 9 th graders
Health Education I	140111	0.5		X	X	X	None
Physical Education	230122 (10-12)	0.5		X	X	X	Passing Physical Education each year is required by the State of Iowa
Adapted Physical Education	231611 231612	0.5	X	X	X	X	Approval by physician or current goals in the IEP
Sports Medicine	235111	0.5		X	X	X	
Lifeguarding	232312	0.5		X	X	X	Must be at least 15 years old at the beginning of this course. A swimming skills pretest is required.
Outdoor Education	231311	0.5			X	X	
Bigger, Faster, Stronger (BFS)	231401	0.5	X	X	X	X	
Extreme Fitness	230121	0.5	X	X	X	X	For the highly motivated student. Open to all students but taught at Central.
Related Health Occupations	159812	0.5				X	Concurrent with Health Occupations On-the-Job (West only)
Health Occupations On-The-Job	159712	0.5				X	Concurrent enrollment in either related Health Occupations or a specific related class

Lifetime Fitness Education (234111) Combines the physical education and health education curriculum and is a required course for all 9th graders. The students will acquire knowledge and skills regarding lifetime physical fitness; content will include nutrition, stress management, prevention and control of disease, including sexually transmitted diseases and acquired immune deficiency syndrome, current crucial health issues and human sexuality. The students will also participate in physical fitness activities that increase cardiovascular endurance, muscle strength and flexibility, leisure and lifetime activities. There is an additional fee for materials.

Health Education I (140111) Examines critical health issues facing teenagers in today's daily living. Topics to be covered include: alcohol and drug abuse prevention, communicable and non-communicable diseases, sexually transmitted diseases (including AIDS), community resources, community health, CPR, emotional and social health, first aid, nutrition, safety, violence prevention and social skills.

Physical Education (230122 10th -12th grade) The program of physical education provides a reasonable balance of those activities commonly grouped as team and individual sports, aquatics, recreational and rhythmical activities. There is an additional fee for materials.

- All students are required to take physical education each year as prescribed by Iowa law. Students who cannot participate in regular physical education classes because of physical limitations are enrolled in adapted physical education classes.
- Students participate in activities from the categories as scheduled. Possible activities are archery, badminton, basketball, CPR and Contemporary Health Issues, floor hockey, football, golf, personal fitness, softball, swimming, team handball, tennis, volleyball, soccer, flag football, pickle ball, yoga and Tae Bo. Some of these units are available at beginning and advanced levels.
- Success in physical education is directly related to class participation. It is, therefore, important for a student to attend class on a regular basis. Proper gym attire is required.
- All physical education failures will be made by taking makeup classes. Failures must be made up in order to meet graduation requirements. PE classes must be passed to receive a diploma.

Adapted Physical Education (231611, 231612) Davenport high schools offer a course in adapted physical education for those students who cannot participate in the regular program due to medical or motor restrictions. Following the necessary referral from the family physician, a selection of activities is offered to meet the individual's needs.

Sports Medicine (235111) This course is designed for the student interested in sports medicine and the health care of athletes and the physically active. The primary focus of study will revolve around the prevention, recognition, treatment and rehabilitation of injuries that occur during physical activity or athletics. Basic knowledge of anatomy and physiology, emergency first aid and the discussion of a variety of athletic injuries will be taught in the traditional classroom format. In addition, students will gain hands-on experience in laboratory activities that include taping techniques, splinting methods and the use and principles of common modalities used to treat athletic injuries, as well basic principles applied in the rehabilitation of injuries. Practical experience of coverage of athletic events will also be emphasized.

- The practical experience includes individualized instruction in the prevention and care of athletic injuries and the career opportunities in the area of sports medicine. The student will be evaluated in cognitive and practical areas such as injury recognition, basic and advanced first aid techniques, muscle testing, record keeping procedures, rehabilitation, conditioning, weight training and preventive strapping (taping) techniques.
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PHYSICAL EDUCATION AND HEALTH EDUCATION

- Some of the positive educational outcomes of this course can be certification in cardiopulmonary resuscitation and standard first aid, socialization with peers, job shadowing experience and service to others. This course cannot be taken in lieu of Physical Education.

Practicum in Sports Medicine (235111) Gives the high school student academic credit for the many hours of study and practical experience one receives as a student athletic trainer.

- The practical experience includes individualized instruction in the prevention and care of athletic injuries and the career opportunities in the area of sports medicine. The student will be evaluated in cognitive and practical areas such as injury recognition, basic and advanced first aid techniques, muscle testing, record keeping procedures, rehabilitation, conditioning, weight training and preventive strapping (taping) techniques.
- Some of the positive educational outcomes of this course can be certification in cardiopulmonary resuscitation and standard first aid, socialization with peers, job shadowing experience and service to others. This course cannot be taken in lieu of Physical Education.

Lifeguarding (232311) Teaches students the skills and knowledge needed to become a professional lifeguard. The course content and activities prepare lifeguard candidates to recognize and respond quickly and effectively to emergencies; prevent drowning and other incidents. Students must be 15 years old by the beginning of the class. No exceptions. There is an additional fee for materials. The student must successfully complete the following swimming prerequisites:

- 1) Swim 500 yards continuously, using each one of the following strokes for at least 100 yards of each: crawl stroke and breaststroke. Participants choose their stroke(s) for the remaining 200 yards. There is a fifteen minute time limit.
- 2) Submerge to a minimum depth of 10 feet, retrieve a 10 pound object and return with it to the surface.
- 3) Tread water for 2 minutes using legs only

Upon successful completion of the course, participants will receive two certificates: one for American Red Cross Lifeguard Training, which is valid for three years; and the second for American Red Cross CPR for the Professional Rescuer, which is valid for one year.

Outdoor Education (231311) Provides an alternative to our traditional P. E. classes. During this course you will go biking, canoeing & kayaking. You will also be involved in wilderness education, initiative tasks, trust activities and cooperative games. This course is limited to 27 students, nine per high school and is open to all qualified Davenport high school students. It may only be scheduled 1st or 4th block. Students must provide their own transportation to Central for this course. It is recommended the student have his/her own bicycle for the class.

- Students must be able to pass a pre-test; 1) bike agility test, 2) swim 250 yards, 3) run one mile under eleven minutes. Application forms may be picked up in the guidance office or from a P. E. staff member.
- There is an additional fee which will cover canoe rental and provide insurance through Venturer membership.

Bigger, Faster, Stronger - BFS (231401) Provides an alternative to our traditional PE class, offered. The class will introduce the BFS athletic training program to all student athletes. The purpose of the class is to increase participants' speed, strength and athleticism. These are coed classes with all workouts designed for individual level of conditioning. The units are: Rest and Nutrition; Year Round Training; Record Keeping; Sprint Training; Agility Training; Endurance Training; Flexibility Training; Plyometric Training; Strength Training; Skill Training. *Student registration based on class status.* Athletes given first priority, coach recommendation required. Offered as an elective.

Extreme Fitness (230121) An alternative to traditional Physical Education. Student will have their weight, body fat, blood pressure and pulse measured at the beginning and end of the course. Journaling will be required. Students will be involved in a variety of aerobic, strength and conditioning activities. These activities include: Tae Bo, light weight lifting, plyometrics and water exercise, running/walking and aerobic routines. This class requires a high level of motivation and physical activity. There is an additional fee for materials.

COOPERATIVE HEALTH OCCUPATIONS

This program is designed as a cooperative effort between the senior student, the instructor and health facilities in the community. Students enrolled in this program attend regular high school classes one-half day and are employed one-half day in an approved medical facility.

Related Health Occupations (159812) West High School only. Includes the teaching of fundamental principles that determine success on the job such as; employer-employee relations, personal adjustment, money management, insurance, etc., along with other topics pertinent to the student's work experience.

Health Occupations On-The-Job (159712) West High School Only Students enrolled in this course will be required to complete a minimum of 15 hours per week in an approved medical facility. The number of hours worked plus the number of class hours at school, should not exceed 40 hours per week. Some of the occupations approved for on-the-job training are listed below:

Child Care Worker
Dental Lab Assistant
Dental Office Assistant
Home Health Aide
Medical Lab Aid
Nurse Assistant

Pharmacy Aide
Physical Therapy Aide
X-ray Assistant
Veterinary Assistant

PROJECT LEAD THE WAY (PLTW)

Subject	Course Numbers	Units per course	Grade level offered				Prerequisites and related information
			9	10	11	12	
<i>Introduction to Engineering Design (IED) EGT 400</i>	160313 160314	1	X	X	X	X	ACT or COMPASS Test -See page 1; Algebra I or CT Algebra I 3 college credits
<i>Principles of Engineering (POE) EGT 410</i>	162612 162613	1	X	X	X	X	ACT or COMPASS Test -See page 1; Algebra I or CT Algebra I; Introduction to Engineering Design recommended. 3 college credits
<i>Civil Engineering & Architecture (CEA) EGT 460</i>	169521 169522	1	X	X	X	X	ACT or COMPASS Test -See page 1; Geometry; Introduction to Engineering Design; or recommend from a Drafting teacher. 3 college credits
<i>Computer Integrated Manufacturing (CIM) EGT 450</i>	162751 162752	1	X	X	X	X	ACT or COMPASS Test -See page 1; Introduction to Engineering Design; Principles of Engineering or Physics. Open to all schools but taught at West 3 college credits
<i>Digital Electronics (DE) EGT 420</i>	210081 210082	1	X	X	X	X	ACT or COMPASS Test -See page 1; Algebra I or CT Algebra I; IED or POE. Open to all schools but taught at West 3 college credits
<i>Engineering Design & Development (EDD) EGT 470</i>	210071 210072	1	X	X	X	X	ACT or COMPASS Test -See page 1; Must have passed 3 PLTW classes and Pre-Calc or AP Stats (concurrent enrollment) or permission of teacher. Open to all schools but taught at West. 3 college credits

Introduction to Engineering Design (IED) EGT 400 (160313, 160314) Students use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve problems in and out of the classroom. Using sophisticated three-dimensional modeling software, students communicate the details of the products. Emphasis is placed on analyzing potential solutions and communicating ideas to others. **This course awards college credit.**

Principles of Engineering (POE) EGT 410 (162612, 162613) Explores the wide variety of careers in engineering and technology and covers various technology systems and manufacturing processes. Using activities, projects and problems, students learn first-hand how engineers and technicians use math, science and technology in an engineering problem-solving process to benefit peoples. The course also addresses concerns about social and political consequences of technological change. **This course awards college credit.**

Civil Engineering & Architecture (CEA) EGT 460 (169521, 169522) An overview of civil engineering and architecture emphasizing the inter-relationship and mutual dependence of both fields. Students use state-of-the-art software to solve real world problems and apply knowledge to hands-on projects and activities. By developing and implementing plans for a playground/park or vacation home, for example, students experience first-hand the job responsibilities of architects and civil engineers. By the end of the course, students are able to give a complete presentation to the client, including three-dimensional renderings of buildings and improvements, zoning and ordinance constraints, infrastructure requirements and other essential project plans. **This course awards college credit.**

Computer Integrated Manufacturing (CIM) EGT 450 (162751, 162752) Students take the three-dimension modeling software skills learned in Introduction to Engineering Design to a whole new level. Using a three-dimensional model, students use automation, control systems, sensing devices, computer programming and robotics to efficiently mass produce products. Trouble-shooting is emphasized throughout the course. **This course awards college credit.**

Digital Electronics EGT 420 (210081, 210082) Teaches students how to use applied logic in the development of electronic circuits and devices. Computer simulation software is used to design to test digital circuitry prior to the actual construction of circuits and devices. **This course awards college credit.**

Engineering Design & Development (EDD) EGT 470 (210071, 210072) In this capstone course, teams of students spend the year solving problems of their own choosing. The teams apply principles developed in the four preceding PLTW core courses and are guided by a community mentor. They brainstorm possibilities, research current patents and regulations, construct a working model, test the model in real life situations (or simulation), document their designs and present and defend the design to a panel of experts. **This course awards college credit.**

SCIENCE

Subject	Course Numbers	Units per course	Grade Level Offered				Prerequisites and Related Information
			9	10	11	12	
LIFE SCIENCE							
Investigative Biology (2-term course)	171121 171122	1	X	X	X	X	None

SCIENCE							
Subject	Course Numbers	Units per course	Grade Level Offered				Prerequisites and Related Information
			9	10	11	12	
Molecular Biology (2-term course)	171131 171132	1	X	X	X	X	None
EARTH SCIENCE							
Earth Materials	170121	0.5		X	X	X	None
Weather, Climate and Space	170122	0.5		X	X	X	None
PHYSICAL SCIENCE							
Physical Science (2-term course)	170311 170312	1		X	X	X	Molecular or Investigative Biology and successful completion of Algebra
General Chemistry	172111 172112	1		X	X	X	Molecular or Investigative Biology and Algebra I
Physics (2-term course)	173111 173112	1		X	X	X	Completion of Geometry with a "C" or higher required or Teacher Approval
ELECTIVE COURSES							
Environmental Studies I	175111	0.5		X	X	X	Biology
Environmental Studies II	175121	0.5		X	X	X	Environmental Studies I
Invertebrate Zoology	171411	0.5		X	X	X	Molecular or Investigative Biology
Vertebrate Zoology	171442	0.5		X	X	X	Invertebrate Zoology
Anatomy & Physiology (2-term course)	171311 17312	1		X	X	X	Molecular or Investigative Biology
Forensics Science	174221	0.5		X	X	X	Chemistry or Physical Science
Genetics	171431	0.5		X	X	X	Molecular Biology required and General Chemistry suggested
AP Biology (3-term course)	171511 171512 171513	1.5		X	X	X	Molecular or Investigative Biology and General Chemistry
Meteorology	170131	0.5		X	X	X	Weather, Climate & Space and Algebraic Principles or Teacher Approval
Advanced Chemistry	172331	0.5		X	X	X	Successful completion of General Chemistry and Algebra 2 required. Physics is strongly recommended.
AP Chemistry (3-term course)	172511 172512 172513	1.5		X	X	X	Successful completion of Advanced Chemistry and Algebra 2 required. Physics is strongly recommended.
Environmental Science (ENV 111) (2 term course)	030001 030002	1			X	X	Completion of DCSD science graduation requirements or Teacher Approval ACT or COMPASS Test -See page 1 4 college credits
INDEPENDENT COURSES							
Science Laboratory Assistant	179331 179332	0.25			X	X	Successful completion of a 2-term course in biological or physical science. Supervising Science teacher recommendation required.

The Science offerings at Davenport high schools provide unique learning experiences dealing with the technology and understandings necessary for survival in a changing society. These course offerings are designed and arranged to allow student movement from a basic general level to one which provides a broader and deeper experience in the sciences.

LIFE SCIENCE (9th grade requirement) All 9th grades are assessed a fee for goggles as part of the registration process. It will be the student's responsibility to retain these goggles for use in future science classes or purchases new ones.

Investigative Biology (171121, 171122) Uses a systems approach to biology that emphasizes basic biological themes and the relationships among living things. Laboratory activities are designed to prepare scientifically literate citizens. There is an additional fee for materials.

Molecular Biology (171131, 171132) Emphasizes the investigation of principles, lab procedures and other applications associated with the study of life sciences. The concepts of study include: scientific method and inquiry, organic molecules, cellular processes, DNA and genetics, evolution and ecology. There is an additional fee for materials.

EARTH SCIENCE

Earth Materials (170121) An investigation into earth history and the natural chemical and physical processes affecting the earth. Goggles are required for this course and must meet ANSI Z87.1+-2003 standards. They are available for purchase in the Activities Office.

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Weather, Climate & Space (170122) An investigation of the factors which influence earth's weather and climate and how we use those factors in weather forecasting. The science involved in space exploration, including the principles of astronomy, is one of the special features of this course. Goggles are required for this course and must meet ANSI Z87.1+-2003 standards. They are available for purchase in the Activities Office.

PHYSICAL SCIENCE

Physical Science (170311, 170312) This two-term course is an investigation into physics and finding the simplest and least complicated explanation for things. Through laboratory experiences, students observe how things work and find connections between cause and effect that explains why things work. There is an additional fee for materials. Goggles are required for this course and must meet ANSI Z87.1+-2003 standards. They are available for purchase in the Activities Office.

General Chemistry (172111, 172112) A laboratory-oriented approach to the entry-level study of chemistry. Basic laws, theories and relationships of unit analysis; structure of matter and energy; periodic law; chemical nomenclature; chemical reactions; kinetic molecular theory; the mole concept and solutions are topics of study. Completion of this course provides a critical thinking background and a basic understanding of the principles of chemistry. There is an additional fee for materials. Goggles are required for this course and must meet ANSI Z87.1+-2003 standards. They are available for purchase in the Activities Office.

Physics (173111, 173112) This two-term course is an investigation of matter and energy with a laboratory centered emphasis on the basic laws and theories related to mechanics, light, sound and electricity. There is an additional fee for materials. Goggles are required for this course and must meet ANSI Z87.1+-2003 standards. They are available for purchase in the Activities Office.

ELECTIVES

Environmental Studies I (175111) Explores bioethics, ecological concepts, population dynamics and those economic values used in developing environmental regulations and policies. Students' experiences include exploring the Internet, cooperative learning and use of computer simulation, communicating research findings, performing experiments and exploring career opportunities in environmental technology. Goggles are not required for this course.

Environmental Studies II (175121) Explores various sources of and solutions to environmental pollution, use of natural resources, energy production and alternatives, environmentally sustainable lifestyles and those economic values used in developing environmental regulations and policies. Students' experiences include exploring the Internet, cooperative learning and use of computer simulation, communicating research findings, performing experiments and exploring career opportunities in environmental technology. Goggles are not required for this course.

Invertebrate Zoology (171411) Provides students with the detailed study of and laboratory activities involving animals without a backbone. An emphasis is placed on animal development, relationships, structures, behavior and natural history. Goggles are required for this course and must meet ANSI Z87.1+-2003 standards. They are available for purchase in the Activities Office.

Vertebrate Zoology (171412) Provides students with the detailed study of and laboratory activities involving animals with backbones and more advanced invertebrates. An emphasis is placed on the physical characteristics and adaptations, habitat, nutritional needs, lifestyles and the diversity within each of the five vertebrate groups. Goggles are required for this course and must meet ANSI Z87.1+-2003 standards. They are available for purchase in the Activities Office.

Anatomy & Physiology (171311, 171312) A systematic study of the functions and processes of the human body emphasizing the organization of the body; systems that cover, support and move the body; the systems that control and regulate the body through communication; the systems that transport and protect the body, the metabolic processing systems and the systems of reproduction and development. Laboratory investigations and group activities are used to enhance understanding. Goggles are required for this course and must meet ANSI Z87.1+-2003 standards. They are available for purchase in the Activities Office.

Forensics Science (174221) Explores the history of forensic science, methods of investigating a crime scene, types of evidence, analysis of fingerprints, hair, fibers, drugs, glass, soil and blood. There is an additional fee for materials. Goggles are required for this course and must meet ANSI Z87.1+-2003 standards. They are available for purchase in the Activities Office.

Genetics (171431) Investigates the principles, lab methodology and applications associated with the study of inheritance of traits. This course provides students an opportunity to explore current techniques and research in genetics, including the Human Genome Project, genetic screening, gene therapy and environmental influences.

AP Biology (171511, 171512, 171513) Emphasizes in-depth studies and laboratory experiences. Current biological science research and literature about topics such as biotechnology and molecular genetics are studied. Students are provided an opportunity to conduct labs on a regular basis. Students are required to take the National CEEB Advanced Placement Exam. There is an additional fee for materials.

Meteorology (170121) Introduces many aspects of meteorology including the mechanics of weather, the chemistry of weather, the impact of weather and forecasting. It helps students understand the fast-moving world of meteorology and allows them. to look far beyond the basic TV news descriptions and to develop the ability to forecast the weather using very simple techniques. Goggles are not required for this course.

Advanced Chemistry (172331) Designed to prepare students fro the rigor of College Chemistry and/or AP Chemistry. Special emphasis is place on lab techniques, problem solving skills and critical analysis of chemistry concepts that useful in other physical, biological and

SCIENCE

applied sciences such as medicine, engineering, agriculture and consumer sciences. There is an additional fee for materials. Goggles are required for this course. They must meet Z87.1+2003 standards and are available for purchase in the Activities Office.

AP Chemistry (172511, 172512, 172513) This three-term course is a rigorous and academically challenging college level course. Topics covered in General Chemistry are expanded upon and, new areas of study such as Equilibrium, Electrochemistry and Nuclear Chemistry are introduced. These concepts are developed into increasingly sophisticated ideas that are useful in other physical, biological and applied sciences such as medicine, engineering, agriculture and consumer sciences. The class provides students a wide opportunity to develop and improve their problem solving and investigative skills. Students are strongly encouraged to take the National CEEB Advanced Placement Exam. There is an additional fee for materials. Goggles are required for this course. They must meet ANSI Z87.1+2003 standards and are available for purchase in the Activities Office.

Environmental Science EVV 111 (030001, 030002) In this college level course, common environmental problems will be surveyed, with discussion as to their possible causes, consequences and remedies. An emphasis will be placed on objective analyses of issues and arguments related to environmental concerns. A general goal of this course is for students to become familiar with the application of scientific principles common to environmental problems. Also, it is important for students to become aware of the causes of, the consequences of and the possible remedies for these problems and for students to be able to objectively analyze the issues and arguments related to environmental concerns. Goggles are not required for this course.

INDEPENDENT COURSES

Directed Independent Study in Science (DISS) (179921, 179922) This course is designed for the science-able, inventive, interested student who wishes to pursue specialized study and research in science by developing a project of his or her own choosing. A student may enroll in this course for a total of eight terms.

Science Laboratory Assistant (179331, 179332) This course emphasizes the technical role of an assistant in the biological/physical sciences with preparation of materials and supplies. It is an independent study experience for those students interested in technological opportunities.

SOCIAL STUDIES							
Subject	Course Numbers	Units per course	Grade Level Offered				Prerequisites and Related Information
			9	10	11	12	
SS Grade 9							
American Studies II (2-term course)	272111 272112	1	X				None
Group 1 (AMERICAN HISTORY)							
Contemporary American History	272121	0.5		X	X	X	None
Historical Viewpoints of Modern America	272131	0.5		X	X	X	None
AP United States History (3 term course)	272501 272502 272503	1.5			X	X	Students must be in 10th, 11th, or 12th grade. (10th graders must have instructor approval) AP U.S. History will only satisfy Group 1 requirement IF and only IF students complete the 3rd term of the class. (Term 3 covers the required curriculum for this group).
Group 2 (WORLD STUDIES)							
Early Western Civilization	271311	0.5		X	X	X	
Modern Western Civilization (since 1700)	270711	0.5		X	X	X	None
World Cultures	271411	0.5		X	X	X	None
Geography	270121	0.5		X	X	X	None
Contemporary World Issues GLS 100	272511	0.5			X	X	ACT or COMPASS Test -See page 1 3 college credits
Group 3 (BEHAVIORAL SCIENCES)							
Economics	274131	0.5			X	X	None
Applied Economics	274121	0.5			X	X	None
Sociology	277511	0.5			X	X	None
Psychology	277111	0.5			X	X	None
Advanced Psychology	277121	0.5				X	Psychology
Intro to Psychology (PSY 111)	277113	0.5			X	X	Psychology ACT or COMPASS Test -See page 1 3 college credits

SOCIAL STUDIES							
Subject	Course Numbers	Units per course	Grade Level Offered				Prerequisites and Related Information
			9	10	11	12	
Group 4 (AMERICAN GOVERNMENT)							
American Government	273011	0.5			X	X	Completion of a Group I course is strongly recommended
AP US Government and Politics	272521 272522 272523	1.5		X	X	X	Students must be in 10th, 11th, or 12th grade. (10th graders must have instructor approval) Completion of Term 1 will satisfy the group for requirement.
ELECTIVES							
Independent Study in Social Studies	279611	0.5		X	X	X	See course description
Student Senate/Student Council	279911 279912	0.5	X	X	X	X	Elected by student body as student senator or student council officer
Student Page Iowa General Assembly	279921	0.5	X	X	X	X	Elective by application

All students are required to complete six terms of Social Studies during grades 9-12, two terms of which are required in grade 9 and four terms in grades 10-12. Students are free to develop their own individual Social Studies program that best meets their educational goals. All students must select courses from four required groups of Social Studies classes:

- American History
- World Studies
- Behavioral Sciences - (Grades 11-12 only)
- American Government - (Grades 11-12 only)

American Studies II is a 2-term course required of all 9th grade students. American Studies II is a continuation of the history sequence American Studies I, started in grade 8. American Studies II covers the time period from 1865 to the end of World War II.

For students electing to take Social Studies classes during their sophomore year, it is recommended they complete the history sequence by choosing either **Contemporary American History**, **Historical Viewpoints of Modern America**, or AP US History(Group 1), depending upon their interest and abilities. It is also recommended that sophomores consider taking one or more of the courses in **World Areas** (Group 2.) Students must be in grade 11 or 12 to enroll in Group 3 and 4 classes. If all requirements are met by the end of grade 11, students have the opportunity to elect any Social Studies course not previously taken.

American Studies II (272111, 272112) A two term continuation of American history that follows the eighth grade course and includes units on (1) Reconstruction, (2) Socialization and Industrialization, (3) The Progressives and World War I, (4) The Depression and World War II.

GROUP 1: AMERICAN HISTORY - (ONE COURSE REQUIRED) - (SELECT ONLY ONE)

Contemporary American History (272121) The study of Contemporary American History includes the social, political, economic, religious, educational and cultural history of the United States since World War II. Emphasis is placed on the developments in American society and United States foreign policy.

Historical Viewpoints of Modern America (272131) The course is designed for students who desire a more intensive study of American history than the regular Contemporary American History course offers. The course covers the political, social and economic development of modern America through a selected readings approach. Adequate reading and writing skills are necessary for success in this course.

AP United States History (272501, 272502, 272503) Following the college Board's suggested curriculum designed to parallel college-level U.S. History courses, AP U.S. History courses provide students with the analytical skills and factual knowledge necessary to address critical problems and materials in U.S. history. Students learn to assess historical materials and to weight the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past. AP U.S. History will only satisfy Group 1 requirement IF and only IF students complete the 3rd term of the class. (Term 3 covers the required curriculum for this group). There is an additional fee for materials.

GROUP 2: WORLD STUDIES - (ONE COURSE REQUIRED)

Early Western Civilization (to 1700) (271311) Includes a study of the main concepts which western culture has inherited from the past. Such concepts as Greek democracy, Judeo-Christian ethical concepts, Roman Law, Medieval social and economic systems, Renaissance and Reformation ideas, English parliamentary system, beginning of Modern science, market economy of the 16th century and the ideas of the Enlightenment will be included.

Contemporary World Issues GLS 100 (272511) This course is an interdisciplinary approach to the study of issues affecting life in the modern world. Identifies theoretical and topical areas of study as background and influences to major contemporary issues. Typical areas of discussion will address international politics, conflict, ecology, economy and resource utilization. **This course awards college credits.**

SOCIAL STUDIES (Con't)

Modern Western Civilization (since 1700) (270711) This course, which can be taken separately, is a world history course which continues the historical sequence of Western Civilization. It is based around the political lives, experiences, innovations and political behavior of people from the French revolution to the present. It is hoped that by studying the more significant events of this century, based upon their derivations from the nineteenth century, the student will have a better understanding of the world we live in and the reason for why things appear as they are.

World Cultures (271411) This course covers the Middle East, China, India and Africa allowing students the opportunity to see the many ways people in other cultures solve problems. The course emphasizes cultural characteristics in the areas of geography, economics, religion, government, history, regional significance, the arts and people of these regions.

Geography (270121) Geography presents a wide view of physical, economic, political and cultural aspects of the major world regions. It is intended to help students understand location, place, region, movement and human/environmental interaction.

GROUP 3: BEHAVIORAL SCIENCE - (ONE COURSE REQUIRED)

Economics (274131) This course is a study of the basic principles and problems of economics and is centered on how society produces and distributes the goods and services in a market economy.

Applied Economics (274121) This is a Junior Achievement course which emphasizes practical elements of microeconomics and includes a business consultant who brings real life situations to blend with textbook theory.

Sociology (277511) This course concerns the interaction of social groups in our society. It is designed to give students knowledge of the various social relationships, behavioral patterns, social progresses and social systems that are included in their culture.

Psychology (277111) This is an in-depth exploration of human behavior patterns. The ability to recognize concepts and perform analysis of complex material is recommended for students taking this course. Areas presented include the brain and nervous system, learning and memory, experimentation, maladjusted behaviors and current treatment styles and personality development.

Advanced Psychology (277121) This exploration of human behavior extends the student investigations of psychological methods and themes introduced in Psychology and introduces new areas of study that include the emotional and motivational theories and the field of social psychology. The ability to recognize concepts and perform analysis of complex material is recommended for students taking this course.

Intro to Psych PSY 111 (277113) This college level course will examine the fundamentals of behavior. The course is designed to familiarize students with human behavior, how it is studied and the applications of the results of that study. Theoretical issues, comprehension or research findings and research techniques will also be examined. **This course awards college credit.**

GROUP 4: AMERICAN GOVERNMENT - (ONE COURSE REQUIRED) - (SELECT ONLY ONE)

American Government (273011) This course is a study of the workings and functions of the American political system. Topics include the Constitution, the three branches of government and the development of democracy in the United States. Additional units are included on Iowa Government - state and local and juvenile law.

AP U.S. Government and Politics (272521, 272522, 272523) Following the College Board's suggested curriculum designed to parallel college-level U.S. Government and Politics courses, this course provides students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. The course generally covers the constitutional underpinnings' of the U.S. government. Political beliefs and behaviors, political parties and interest groups, the institutions and policy process of national government and civil rights and liberties. There is an additional fee for materials.

ELECTIVES

The courses listed on this page are for additional work in the social studies area. Students may also elect subjects in World Studies, Behavioral Science or American Government which have not been previously taken.

Independent Study in Social Studies (279611) This course is designed to allow the student to pursue an area of study not available in our standard offerings. Before registering for the course, the student must secure a faculty advisor who is convinced of the student's ability to carry out independent study and who is willing to supervise the student's program. A proposed plan of study should be submitted to the instructor before registration. That plan should be approved by the instructor, department chairperson, the student's counselor and the principal. Independent study does not meet as a regularly scheduled class. Conferences are arranged between teacher and student as needed.

Student Senate/Student Council (279911, 279912) Open to duly elected officers and student senate members only. This course is designed to provide the "Student Senate" the opportunity of meeting, learning and conducting "Senate" activities in accordance with the principles of formal and informal parliamentary law on a regularly scheduled basis. (This course will not replace the American Government requirement.)

SOCIAL STUDIES (Con't)

Student Page Iowa General Assembly (279921) (When the legislature is in session.) Students chosen and employed by the Iowa General Assembly to serve as a Student Page (duties include: assisting State Representatives, State Senators, local patrons; serving as capitol guides, delivering messages, etc.) shall be given elective credit in Social Studies for successful completion of Page duties.

TAG – TALENTED AND GIFTED PROGRAM

Subject	Course Numbers	Units per course	Grade Level Offered				Prerequisites and Related Information
			9	10	11	12	
TAG – Option 1	222211 222212	0.5	X				See course description
TAG – Option 1	222221 222222	0.5		X			See course description
TAG – Option 1	222231 222232	0.5			X		See course description
TAG – Option 1	222241 222242	0.5				X	See course description
TAG – Option 1 (North only)	089621	0.5	X	X	X	X	See course description
TAG – Option 2	086211 086212	0	X				See course description
TAG – Option 2	086221 086222	0		X			See course description
TAG – Option 2	086231 086232	0			X		See course description
TAG – Option 2	086241 086242	0				X	See course description

(Note: To enroll in TAG, a student must meet program entrance requirements and have approval of the TAG facilitator.)

TAG (222211, 222212 - 9th; 222221, 222222-10th; 222231, 222232-11th; 222241, 222242-12th) - OPTION 1 May be taken each term. The gifted and talented program focuses on general intellectual ability and creative thinking by offering a variety of activities and instructional materials using higher level thinking skills. Students move from general orientation and group activities to specific independent study projects using increasingly higher level thinking skills. Freshmen and sophomores will participate in structured test-prep activities during part of the course. A materials fee will be charged.

TAG (086211, 086212-9th; 086221, 086222-10th; 086231, 086232-11th; 086241, 086242 -12th) - OPTION 2 May be taken each term. This TAG program option is designed for identified students who wish to be included in the program but have a limited amount of time in their daily schedule. Unless approval is granted for an extensive independent study project, this is a non-credit course, though students' participation in the program will be noted on each transcript. To receive this notation, a student must complete a minimum of one enrichment activity each term and meet weekly for a minimum of fifteen minutes as scheduled by the student and teacher.

TECHNOLOGY EDUCATION (Formerly Industrial Technology)

Subject	Course Numbers	Units per course	Grade level offered				Prerequisites and related information
			9	10	11	12	
Introduction to Engineering Design (IED) (EGT 400)	160313 160314	1	X	X	X	X	ACT or COMPASS Test – See page 1; Algebra I or CT Algebra I 3 college credits
Principles of Engineering (POE) (EGT 140)	162612 162613	1	X	X	X	X	ACT or COMPASS Test – See page 1; Algebra I or CT Algebra I; Introduction to Engineering Design recommended. 3 college credits
Civil Engineering & Architectures (CEA) *(EGT 460)	169521 169522	1	X	X	X	X	ACT or COMPASS Test – See page 1; Geometry; Introduction to Engineering Design; or recommendation from a drafting teacher 3 college credits
Computer Integrated Manufacturing (CIM) (EGT 450)	162751 162752	1	X	X	X	X	ACT or COMPASS Test – See page 1; Introduction to Engineering Design; Principles of Engineering or Physics. Open to all schools but taught at West. 3 college credits
Digital Electronic (DE) (EGT 420)	210081 210082	1	X	X	X	X	ACT or COMPASS Test – See page 1; Algebra I or CT Algebra I; IED or POE.. Open to all schools but taught at West. 3 college credits

TECHNOLOGY EDUCATION (Formerly Industrial Technology)

Subject	Course Numbers	Units per course	Grade level offered				Prerequisites and related information		
			9	10	11	12			
<i>Engineering Design & Development (EDD) (EGT 470)</i>	210071 210072	1	X	X	X	X	ACT or COMPASS Test – See page 1; Must have passed 3 PLTW classes and Pre-Calc or AP Stats (concurrent enrollment) or permission of teacher. Open to all schools but taught at West. 3 college credits		
Architectural Drafting (2-term course)	070611 070612	1		X	X	X	Algebraic Principles or Algebra strongly recommended		
Engineering Drafting (2-term course)	070211 070212	1	X	X	X	X	Algebraic Principles or Algebra strongly recommended		
Introduction to Electronics (2 term course)	044111 044112	1.0	X	X	X	X	Algebra		
Introduction to Robotics	162611	0.5		X	X	X	Algebra or Algebraic Principles		
Basic Woodworking	041711	0.5	X	X	X	X	None		
Advanced Woodworking	041721	0.5	X	X	X	X	Basic Woodworking		
Basic Carpentry	041411	0.5	X	X	X	X	None		
Fine Woodworking	041751	0.5		X	X	X	Basic and Advanced Woodworking		
Student Built Homes <ul style="list-style-type: none"> • <i>Building Construction Techniques I (CON 170)</i> • <i>Building Construction Techniques II (CON 171)</i> 	041511 041512 041513 041514	4.0				X	X	ACT or COMPASS Test see page 1; Basic Carpentry and Basic Woodworking strongly recommended; a written application and instructor's recommendation is required. Additional screen criteria will be applied if enrollment exceeds capacity. Student must have own transportation. 12 college credits	
Metals, Materials & Processes	241211	0.5	X	X	X	X	None		
Advanced Metals, Materials & Processes	241221	0.5	X	X	X	X	Metals, Materials & Processes		
Know Your Car	090111	0.5	X	X	X	X	None (Central and North ONLY)		
Basic Auto Mechanics	090121	0.5	X	X	X	X	None		
Advanced Auto Mechanics	090131	0.5	X	X	X	X	Basic Auto Mechanics		
<i>Auto Technology I</i> <ul style="list-style-type: none"> • <i>Automotive Shop Safety (AUT 115; 1 college credits)</i> • <i>Automotive Brake System & Services (AUT 524; 4 college credits)</i> • <i>Automotive Suspension & Steering (AUT 404; 4 college credits)</i> • <i>Automotive Engine Repair (AUT 164; 4 college credits)</i> 	091211 091212 091213 091214	0.75 0.75 0.75 0.75					X	X	ACT or COMPASS Test see page 1; Advanced Auto; successful completion of entrance exam or permission of teacher is required. Additional screening criteria will be applied if enrollment exceeds capacity. Students are responsible for their own transportation if class begins school as an early bird offering. Open to all schools but taught at West and North. 13 college credits
Auto Technology II	091241 091242 091243 091244	3.0						X	Auto Technology I; application, counselor and instructor recommendation required. Open to all schools but taught at West and North.
Basic Welding	241411	0.5	X	X	X	X	None		
Advanced Welding	241421	0.5	X	X	X	X	Basic Welding		

TECHNOLOGY EDUCATION (Formerly Industrial Technology)

Subject	Course Numbers	Units per course	Grade level offered				Prerequisites and related information
			9	10	11	12	
Vocational Welding I <ul style="list-style-type: none"> • Gas Metal Arc Welding-Basic (WEL 129) • Gas Tungsten Arch Welding (WEL 133) • Shielded Metal Arc Welding Basic (WEL 126) 	241511 241512 241521 241522	3.0			X	X	ACT or COMPASS Test see page 1; Advanced Welding; application required. Students will be responsible for providing their own transportation if class begins before school as an early bird offering. Open to all schools but taught at West. 11.5 College Credit
Vocational Welding II <ul style="list-style-type: none"> • Advanced Gas Metal Arc Welding (WEL 217) 	241513 241514 241523 241524	3.0		X	X		ACT or COMPASS Test see page 1; Advanced Welding I; application required. Students will be responsible for providing their own transportation if class begins before school as an early bird offering. Open to all schools but taught at West. 1.25 College Credit
Computer Graphics & Design	031511	0.5	X	X	X	X	None
Computer Graphics Printing (2-term course)	031521 031522	1	X	X	X	X	Computer Graphics & Design (West only)
Advanced Computer Graphics	031531	0.5		X	X	X	Computer Graphics & Design
Related Subjects (for Cooperative Work Experience) (2-term course)	160811 160812 160813 160814	1					Concurrent enrollment in Cooperative Work Experience (for Related Subjects)
Cooperative Work Experience (for Related Subjects) (2-term course)	160611 160612 160613 160614	2				X	Concurrent enrollment in Related Subjects (for Cooperative Work Experience)

Students desiring cooperative training after completion of a vocational trade class will be given preference in subjects that are limited in enrollment because of facilities. Material fees are required in many of the courses.

Introduction to Engineering Design (IED) EGT 400 (160313 160314) Students use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve problems in and out of the classroom. Using sophisticated three-dimensional modeling software, students communicate the details of the products. Emphasis is placed on analyzing potential solutions and communicating ideas to others. **This course will award college credit.**

Principles of Engineering (POE) EGT 410 (162612 162613) Explores the wide variety of careers in engineering and technology and covers various technology systems and manufacturing processes. Using activities, projects and problems, students learn first-hand how engineers and technicians use math, science and technology in an engineering problem-solving process to benefit people. The course also addresses concerns about social and political consequences of technological change. **This course will award college credit.**

Civil Engineering & Architecture (CEA) EGT 460 (169521 169522) An overview of civil engineering and architecture, CEA emphasizes the inter-relationship and mutual dependence of both fields. Students use state-of-the-art software to solve real world problems and apply knowledge to hands-on projects and activities. By developing and implementing plans for a playground/park or vacation home, for example, students experience first-hand the job responsibilities of architects and civil engineers. By the end of the course, students are able to give a complete presentation to the client, including three-dimensional renderings of buildings and improvements, zoning and ordinance constraints, infrastructure requirements and other essential project plans. **This course will award college credit.**

Computer Integrated Manufacturing (CIM) EGT 450 (162751 162752) Students take the three-dimensional modeling software skills learned in Introduction to Engineering Design to a whole new level. Using a three-dimensional model, students use automation, control systems, sensing devices, computer programming and robotics to efficiently mass produce products. Trouble-shooting is emphasized throughout the course. **This course will award college credit.**

Digital Electronics (DE) EGT 420 (210081, 210082) This course in applied logic 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. **This course will award college credit.**

Engineering Design & Development (EDD) EGT 470 (210071, 210072) In this capstone course, teams of students spend the year solving problems of their own choosing. The teams apply principles developed in the four preceding PLTW core courses and are guided by a community mentor. They brainstorm possibilities, research current patents and regulations, construct a working model, test the model in

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real life situations (or simulation), document their designs and present and defend the design to a panel of experts. **This course will award college credit.**

Architectural Drafting (070611, 070612) This course will teach the basic skills needed to draw plans for homes. Students will learn construction techniques used to build structures. Hand drafting tools and computers will be used in this class.

Engineering Drafting (070211, 070212) This course teaches the basics of mechanical drafting using hand tools and computers. Students will learn how to represent objects on paper as well as on the computer. Application of mathematical concepts to drafting will be included.

Introduction to Electronics (044111, 044112) Teaches an understanding of how electronic devices work, how they are built and how they are repaired. Students learn how electricity works by performing lab experiments, building devices and using a computer. They also learn how computer parts work.

Introduction to Robotics (162611) This "hands on" course will teach how to control a robot and other automated machines. Students will spend at least half the time with computers, writing, editing programs and running computer robotics and automated devices. Students will also learn to control fluid powered and air-powered devices. This is a recommended course for students planning a career as an engineer or engineering technician.

Basic Woodworking (041711) The fundamentals of hand tools and machine woodworking will be taught through lecture, demonstration and activities. Students will construct and apply a finish to a small wood item to develop skill in the use of tools and techniques. Safety will receive special emphasis. There is an additional fee for materials.

Advanced Woodworking (041721) Students will study wood finishing and wood identification. Students will construct an advanced wood project using power woodworking machines. There is an additional fee for materials.

Basic Carpentry (041411) The fundamentals of building construction will be taught through lecture, demonstration and activities. Students will use construction models and will build a small structure to develop skill in the fundamentals of building construction.

Fine Woodworking (041751) Advanced machine woodworking and construction procedures will be taught by planning and building small furniture and cabinet projects.

Student Built Home (CON 170 and CON 171) (041511, 041512, 041513, 041514) This course is designed to give hands-on experience in many aspects of the building trades. Students will help build an actual home at a construction site. The house will be completed by the close of the school year then sold. Safety will be stressed throughout. Tools, equipment and a hard hat will be provided. **Safety glasses, work shoes and work clothes must be furnished by the student. An application must be completed. A screening process, which takes into consideration attendance, discipline record, GPA and recommendation from teacher/counselor will be used to determine final participants.** Basic Carpentry and Basic Woodworking are strongly recommended. Seniors meeting the requirements will be given priority over juniors. Teacher recommendation will be weighed heavily. Note: Students must arrange own reliable transportation. SCHOLARSHIPS FOR COLLEGE OR CARPENTRY TOOLS ARE READILY AVAILABLE UPON SUCCESSFUL COMPLETION OF THIS COURSE. **This course awards college credit. For more information go to:**

<http://www.qcarealtors.com/studentbulthomes.html>

Metals, Materials, & Processes (241211) This is an introductory course in the use of metal as a building material. Students will learn to turn pieces of metal into useful items through the use of forge and foundry machine tools, grinding and cutting equipment. Safety will be given special emphasis. There is an additional fee for materials.

Advanced Metals, Materials and Processes (241221) The student will gain skills by building personal projects utilizing the skills acquired from the basic course. The occupations associated with the various areas and their requirements for entrance will be studied, as well as the technologies of the modern metalworking industries. There is an additional fee for materials.

Know Your Car (090111) This course is designed for car owners, not necessarily future mechanics. Introductory level instruction and lab activities provide learning experiences valuable to anyone that owns, or plans to own a car. Consumer knowledge related to buying automotive products, used vehicles, insurance and new cars is included. Many lab activities enable students to perform vehicle component maintenance, replacement and inspection.

Basic Auto Mechanics (090121) This is an introductory course dealing with the importance of construction and operating principles of the modern automobile. Operating systems such as brakes, electrical and basic engine construction and operation will be covered in both textbook (theory) and lab (practical) instruction.

Advanced Auto Mechanics (090131) A continuation of Basic Auto Mechanics, this course deals with service procedures and repair techniques. The use of modern diagnosis protocols dealing with computerized controls will also be covered. Occupational outlook and preparation are stressed.

Auto Technology I (AUT 115, 524, 404 and 164) (091211, 091212, 091213 & 091214) Students enrolled in Auto Tech I will receive college credit for 4 different community college courses. The shop safety course is designed to acquaint students with proper personnel and shop safety procedures needed to function in an automotive shop. The suspension and steering course deals specifically with

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automobile suspension and steering systems. Competencies that are developed are aimed at entry-level skills as a suspension and steering specialist. The engine repair course is designed to allow students to begin the mastery of brake system used on today's cars and light trucks. Basic theory of two-cycle and four-cycle gasoline engines and their application will be introduced. Disassembly, inspection and reassembly skills will be learned as well as cooling, lubrication, injection, exhaust, compression and valve systems. Upon successful completion of these courses, students will be prepared to take the corresponding ASE certification test. **This course awards college credit.**

Auto Technology II (091241, 091242, 091243, 091244) This course will focus on the practical application of skills learned in Auto Technology I. **The majority of time will be spent servicing customer vehicles.** Students participating in this class will participate in a two-week internship at a local automotive dealership and will design, implement and produce a group project relating to the automotive industry. They will also operate the auto lab as a dealership service area scheduling all repair work and work schedules of the others in the class. An application must be completed. A screening process that takes into consideration attendance, discipline record, Auto Technology I grades and a recommendation from a teacher and counselor will be used to determine final participants. Auto Technology I is a prerequisite.

Basic Welding (241411) An introductory course which includes practice in both oxyacetylene and arc welding and their applications to various occupations. The use and operation of back-up equipment such as grinders, drill presses and test equipment is also taught. The course is designed around welding exercises, although some outside work is assigned. Welding cap and gloves will be required. There is an additional fee for materials.

Advanced Welding (241421) Provides additional skill and knowledge in using the arc, oxyacetylene and MIG welders. The student will also learn to use the TIG welder and become knowledgeable of its use in industry. There is an additional fee for materials.

Vocational Welding I (WEL 129 AND 133) (241511, 241512, 241521, 241522) The Vocational Welding Program is **registered with the American Welding Society as a participating SENSE Program** which provides successful completers with entry-level certifications recognized all over the world by welding professionals. Class begins at 6:45 a.m. and runs for the entire school year. An application must be submitted to be considered. **This course awards college credit at the end of the course.**

Vocational Welding II (WEL 217) (241513, 241514, 241523, 241524) Designed to build on the fundamentals of the Vocational Welding I program; this fourth course focuses heavily on real-life job site preparedness and responsibilities. Safety attitudes, fabrication techniques, individual and team projects and certification level welding skill attainment are all responsibilities of the program. An application must be submitted. Selection will focus on the successful completion of Vocational Welding I, attendance, disciplinary history, graduation requirements and safety history in Technology Education courses. This is a senior level course, which meets five days a week, for approximately 3 hours a day and often corresponds with the Cooperative Work Experience program. **This course awards college credit at the end of the course.**

Computer Graphics & Design (031511) Designed to prepare students for the career fields of computer graphics and computer-assisted design. This introductory course will provide students a background in both the hardware and software associated with basic graphic techniques, drafting and commercial design. Students will be required to learn computer keyboard operations and will use various graphic peripherals to solve basic design problems.

Computer Graphics Printing (031521, 031522) Explores the principles and elements of design and challenges students through the production of creative solutions for promoting a variety of products and services; emphasizes building brand recognition and corporate identity through design campaigns; explores the role of the design team in generating creative design solutions; focuses on writing and verbalizing advanced design concepts; and assumes an intermediate working knowledge of industry-standard software. It focuses on design using the appropriate software for organization and placement of design assets within print layouts, creative concepts, type specification, grid construction and destruction, color separation, history of layout design, copyright issues and working with printers. **(West Only)**

Advanced Computer Graphics (031531) This course introduces elements and principles of design as applied to visual communication and covers career information and the history of the field, as well as the traditional graphic design tools and materials. Students practice advanced vector and raster drawing techniques. Students are challenged to produce strong, creative solutions for a variety of design problems with industry standard software. Students work in teams, communicate effectively and produce digital portfolios.

COOPERATIVE WORK EXPERIENCE PROGRAMS

This is a program that is carried on cooperatively between the student, the school and a business or industry. Students enrolled in this program attend regular classes one-half day and work in industry the other half day. Students 16 years of age or older and classified as seniors, are eligible to make application. The application is to be obtained from and returned to, your counselor. All students must enroll for both the Related Subjects (Cooperative Work Experience) and Cooperative Work Experience courses.

Related Subjects (for Cooperative Work Experience) (160811, 160812, 160813, 168014) This class includes the teaching of fundamental principles that determine success on the job such as employer-employee relations, personal adjustment, money management, insurance, etc., along with related mathematics or other topics pertinent to the job.

Cooperative Work Experience (for Related Subjects) (160611, 160612, 160613, 160614) Students enrolled in this course will be required to complete a minimum of 15 hours per week in the business of their employer. The number of hours of work plus the actual number of class hours at school should not exceed 40 hours per week. Students are not guaranteed a job.

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Independent Study Technology Education (169611) This course is designed to allow the student to pursue an area of study not available in our standard offerings. Before registering for the course, the student must secure a faculty advisor who is convinced of the student's ability to carry out independent study and who is willing to supervise the student's program. A proposed plan of study must be submitted to the instructor before registration. That plan must be approved by the instructor, department chairperson, the student's counselor and the principal. Independent study may not meet as a regularly scheduled class. Conferences are arranged between teacher and student as needed.

WORLD LANGUAGES

Subject	Course Numbers	Units per course	Grade Level Offered				Prerequisites and Related Information
			9	10	11	12	
Introduction to Classical Languages	126311 126312	.5/term		X	X	X	None (Central & West)
French I (2-term course)	120511 120512	1	X	X	X	X	None
French II (2-term course)	120521 120522	1	X	X	X	X	Successful completion of French I or instructor approval.
French III (2-term course)	120531 120532	1	X	X	X	X	Successful completion of French II or instructor approval.
French IV (2-term course)	120541 120542	1		X	X	X	Successful completion of French III or instructor approval.
AP French (3-term course)	120611 120612 120613	1.5			X	X	Successful completion of French IV or instructor approval.
French Civilization (2-term course)	129921 129922	1			X	X	Successful completion of French IV or instructor approval
French Literature (2-term course)	129931 129932	1			X	X	Successful completion of French IV or instructor approval
German I (2-term course)	121011 121012	1	X	X	X	X	None
German II (2-term course)	121021 121022	1	X	X	X	X	Successful completion of German I or instructor approval.
German III (2-term course)	121031 121032	1	X	X	X	X	Successful completion of German II or instructor approval.
German IV (2-term course)	121041 121042	1		X	X	X	Successful completion of German III or instructor approval.
Spanish I (2-term course)	120111 120112	1	X	X	X	X	None
Spanish II (2-term course)	120121 120122	1	X	X	X	X	Successful completion of Spanish I or instructor approval.
Spanish III (2-term course)	120131 120132	1	X	X	X	X	Successful completion of Spanish II or instructor approval.
Spanish IV (2-term course)	120141 120142	1		X	X	X	Successful completion of Spanish III or instructor approval.
AP Spanish (3-term course)	120211 120212 120213	1.5			X	X	Successful completion of Spanish IV or instructor approval.
Hispanoamerica (2-term course)	129941 129942	1			X	X	Successful completion of Spanish IV or instructor approval.
Iberia (2-term course)	129951 129952	1			X	X	Successful completion of Spanish IV or instructor approval.

There are many excellent reasons for studying World Languages whether you enter the business world or choose to continue your education beyond high school. If you desire to speak, to translate and to write a World Language and to enhance your own cultural background, you are encouraged to visit with one of the language teachers and to enroll in the course of your choice. World Languages requirements at the college and university level vary. To learn entrance and graduation requirements for a specific college or university, consult the respective college catalog or your counselor. Students may begin study of a World Language in grades 7, 8, 9, 10, 11, or 12. Prerequisites for Levels II, III, IV and beyond include successful completion of both terms of the preceding level and/or departmental approval. Chances for a student's success are enhanced significantly if a student has achieved a C or higher in previous course.

Introduction to Classical Languages (126311 126312) This is a one or two-term course designed to benefit all students, especially those who will enter Medicine, Law or the Humanities by providing them with a general and technical vocabulary that will encourage and aid them to recognize and use terminology in these fields. Some Latin and Greek structure will be studied and students will translate some simple Greek and Latin from a first year text.

WORLD LANGUAGES (Con't)

French I (120511, 120512) French I offers the opportunity for students to experience a new language. Class is conducted so that each student uses French orally and in reading and writing. Emphasis is placed on learning vocabulary and structure which is useful in describing situations in his/her everyday life. French culture related to the topics of study is also introduced. An audio activities workbook and writing activities workbook will be required. There is an additional fee for materials.

French II (120521, 120522) French II is a continuation of French I. Conversational skills are expanded through additional study of structure and vocabulary. The student learns to speak French more fluently and continues to read in French and to develop written skills. French culture, customs and geography are also emphasized. The workbook purchased for French I is used in the beginning of French II course.

French III (120531, 120532) Students in French III learn advanced conversational techniques and build upon basic knowledge gained in French I and French II, thus enabling them to communicate in more complex oral and written form. Conversation and reading are emphasized and the study of French culture is continued. An audio activities workbook and writing activities workbook will be required. There is an additional fee for materials.

French IV (120541, 120542) French IV provides a review and extension of material previously studied. Reading and writing receive equal time with oral communication skills. Grammar and structure are expanded and studied in depth. Aspects of French culture include geography, history, literature and customs. The French III workbook is used.

AP French (120611, 120612, 120613) Advanced Placement French for upper level students is a three-term course with content and outcome equivalent to a third-year, college-level conversation and composition course. Special emphasis is given to developing the five components of World Language learning: listening, speaking, reading, writing and culture. The primary goal is polishing language skills for accurate, real-life communication. A minimum of four years of prior language study is recommended. Students in AP French may elect to take the Advanced Placement Exam. There is an additional fee for materials.

French Civilization (129921, 129922) This course uses the French language as a vehicle for the study of historical and present-day France. Topics include geography, cuisine, youth, leisure, art and politics and are selected according to the interest and needs of the class. Continued emphasis is placed on review of grammar and developing comprehension of the oral and written language.

French Literature (129931, 129932) This survey course in literature is designed to introduce students to major French writers from the Middle Ages through the 20th Century. In the selection of texts consideration is given to developing comprehension of the oral and written language.

German I (121011, 121012) This beginning course is designed to develop the skills of communication in the language with primary emphasis on listening, speaking and development of basic grammar skills. German culture related to the topics of study is also introduced. Various activities are used to reinforce new material and enrich the course. There is an additional fee for materials.

German II (121021, 121022) Continued emphasis is given to oral work. More time is spent in development of reading and writing skills. Students are encouraged to form their own dialogues based on new topics as they are presented. Cultural information supplements the course. There is an additional fee for materials.

German III (121031, 121032) Emphasis is given to the development of reading comprehension and cultural understanding with continued attention to conversational skills. German II workbook will be used in German III.

German IV (121041, 121042) German IV extends the student's development in listening, speaking, reading and writing skills. An emphasis is placed on German culture, including literature and history. There is an additional fee for materials.

Spanish I (120111, 120112) Spanish I offers the opportunity for students to experience a new language. During the first year of Spanish study, a student learns to listen, speak, read and write within an elementary framework of the language. Emphasis is placed on learning vocabulary and structure which is familiar and meaningful to the student and that is useful in describing situations in his/her everyday life. Various aspects of the Hispanic culture are introduced.

Spanish II (120121, 120122) Spanish II is a continuation of Spanish I which broadens the study of vocabulary and structure. Conversation, reading and writing are emphasized. Hispanic culture, customs and geography are also included.

Spanish III (120131, 120132) Students in Spanish III intensify their study of structural elements and develop conversational, reading and writing abilities. By building on knowledge gained in Spanish I and II, students learn to communicate in more complex oral and written forms. The study of Hispanic culture, customs and geography is continued.

Spanish IV (120141, 120142) Spanish IV provides a review and extension of material previously studied. Reading and writing receive equal time with oral communication skills. Grammar and structure are expanded and studied in depth. Aspects of Hispanic culture include geography, history, literature and customs. The Spanish III workbook is used.

WORLD LANGUAGES (Con't)

AP Spanish (120211, 120212, 120213) Advanced Placement Spanish for upper level students is a three-term course with content and outcome equivalent to a third-year, college-level conversation and composition course. Special emphasis is given to developing the five components of foreign language learning, listening, speaking, reading, writing and culture. The primary goal is refining language skills for accurate, real-life communication. A minimum of four years of prior language study is recommended. Students in AP Spanish may elect to take the Advanced Placement Exam. There is an additional fee for materials.

Hispanoamerica (129941, 129942) A study of the culture, history and literature of the Hispanic American people. There is special emphasis on oral proficiency and written composition. This course is offered on even-numbered school years, i.e. 2010, 2012, 2014 etc.

Iberia (129951, 129952) A study of the historical, cultural and literary achievements of Spain. There is special emphasis on oral proficiency and written composition.

SPECIAL EDUCATION		
Subject	Course Numbers	Additional Course Information
Resource Lab	2802A1/2801A2/2802A3/2802A4	
Communication Skills	1081D1/1081D2	Enrollment is recommended for up to 15 students.
	1081G1/1081G2	The instruction is developed around domestic living skills, accessing the community, recreational/leisure settings and vocational domains. Enrollment is recommended for up to 7 students.
Writing	1081E1/1081E2/1081E3/1081E4	Enrollment is recommended for up to 15 students.
	1081H1/1081H2/1081H3/1081H4	Enrollment is recommended for up to 7 students
	1081K1/1081K2/1081K3/1081K4	Additional communication skills and social skills continue to be an area of emphasis of focus. Enrollment is recommended for up to 7 students.
	1081T1/T2/T3/T4	This course is for students who require more opportunities to develop these skills. Enrollment is recommended for up to 7 students.
Reading/Literature	1031E1/1031E2/1031E3/1031E4	Enrollment is recommended for up to 10 students.
	1031H1/1031H2/1031H3/1031H4	Enrollment is recommended for up to 7 students
	1031K1/K2/K3/K4	Additional communication skills and social skills continue to be an area of emphasis of focus. Enrollment is recommended for up to 7 students
	1031T1/T2/T3/T4	This course is for students who require more opportunities to develop these skills. Enrollment is recommended for up to 7 students.
Math Applications	2013D1/203D2	Enrollment is recommended for up to 15 students
	2013G1/2013G2	The instruction is developed around domestic living skills, accessing the community, recreational/leisure settings and vocational domains. Enrollment is recommended for up to 7 students
Mathematics	2013H1/2013H2/2013H3/2013H4	Enrollment is recommended for up to 7 students.
	2013K1/K2/K3/K4	Additional communication skills and social skills continue to be an area of emphasis of focus. Enrollment is recommended for up to 7 students.
	2013T1/T2/T3/T4	This course is for students who require more opportunities to develop these skills. Enrollment is recommended for up to 7 students.
Science	1701D1/1701D2	Enrollment is recommended for up to 15 students.
	1701G1/1701G2/1701G3/1701G4	The instruction is developed around domestic living skills, accessing the community, recreational/leisure settings and vocational domains. Enrollment is recommended for up to 7 students.

SPECIAL EDUCATION		
Subject	Course Numbers	Additional Course Information
	1701K1/K2/K3/K4	Additional communication skills and social skills continue to be an area of emphasis of focus. Enrollment is recommended for up to 7 students.
	1701T1/T2/T3/T4	This course is for students who require more opportunities to develop these skills. Enrollment is recommended for up to 7 students.
	1701E1/1701E2/1701E3/1701E4	Enrollment is recommended for up to 10 students.
	1701H1/1701H2/1701H3/1701H4	Enrollment is recommended for up to 7 students
Social Studies	2714D1/2714D2	Enrollment is recommended for up to 15 students.
	2714G1/2714G2/2714G3/2714G4	The instruction is developed around domestic living skills, accessing the community, recreational/leisure settings and vocational domains. Enrollment is recommended for up to 7 students
	2714T1/T2/T3/T4	This course is for students who require more opportunities to develop these skills. Enrollment is recommended for up to 7 students.
	2714K1/K2/K3/K4	Additional communication skills and social skills continue to be an area of emphasis of focus. Enrollment is recommended for up to 7 students
	2714E1/2714E2/2714E3/2714E4	Enrollment is recommended for up to 10 students
	2714H1/2714H2/2714H3/2714H4	Enrollment is recommended for up to 7 students
Computer Applications	0303G1/0303G2/0303G3/0303G4	The instruction is developed around domestic living skills, accessing the community, recreational/leisure settings and vocational domains. Enrollment is recommended for up to 15 students.
	030D1/0303D2/0303D3/0303D4	Enrollment is recommended for up to 7 students.
	030E1/0303E2/0303E3/0303E4	Enrollment is recommended for up to 10 students.
	0303H1/0303H2/0303H3/0303H4	The instruction is additionally developed to provide students the opportunity to enhance skills in self-control, self-expression, obeying rules, decision-making appropriate situational behavior and how to interact with others and maintain relationships. Enrollment is recommended for up to 7 students
	0303K1/K2/K3/K4	Additional communication skills and social skills continue to be an area of emphasis of focus. Enrollment is recommended for up to 7 students.
	0303T1/T2/T3/T4	This course is for students who require more opportunities to develop these skills Enrollment is recommended for up to 7 students.
Domestic Living	0513D1/0513D2	Enrollment is recommended for up to 15 students.
	0513G1/0513G2/0513G3/0513G4	The instruction is developed around domestic living skills, accessing the community, recreational/leisure settings and vocational domains. Enrollment is recommended for up to 7 students

SPECIAL EDUCATION		
Subject	Course Numbers	Additional Course Information
	0513T1/T2/T3/T4	The instruction is developed around domestic living skills, accessing the community, recreational/leisure settings and vocational domains. This course is for students who require more opportunities to develop these skills. Enrollment is recommended for up to 7 students. This class may over enroll with administrative approval. Enrollment is recommended for up to 7 students.
	0531K1/K2/K3/K4	The instruction is developed around domestic living skills, accessing the community, recreational/leisure settings and vocational domains. Additional communication skills and social skills continue to be an area of emphasis of focus. Enrollment is recommended for up to 7 students.
Life Skills	0513K1/0513K2	Enrollment in this class is recommended for up to 7 students.

Students receiving special education services must meet State of Iowa criteria for entitlement and have an IEP in place. All special education students must meet graduation requirements established by the Board of Education by way of approved course selections.

RESOURCE LAB

Resource Lab (2802A1, 2801A2, 2802A3, 2802A4)

The Resource Lab is a setting in which only students with an IEP may enroll. It is designed to remove students from the general education setting for not more than twenty percent of their day for specially designed instruction that supports general education instruction in reading, mathematics and writing skills. (This does not replace the instruction provided in the general education classroom)

LANGUAGE ARTS

These classes are taught in a setting with IEP students only. Students must meet specific requirements outlined in the IEP to be eligible for enrollment in these classes.

Communication Skills: A two term class which may be repeated. Among the language skills taught are: oral expression, reading, listening skills, penmanship and spelling, sentence and paragraph construction. The class may over-enroll with administrative approval.

(1081D1, 1081D2) Enrollment is recommended for up to 15 students.

(1081G1, 1081G2) The instruction is developed around domestic living skills, accessing the community, recreational/leisure settings and vocational domains. Enrollment is recommended for up to 7 students.

Writing: This course may be offered each term. The organization of this course allows the student to meet graduation requirements for the writing requirements of the language arts offerings. The counselor, teacher and student will determine the requirement this particular enrollment period is to meet. The instruction is additionally developed to provide students the opportunity to enhance skills in self-control, self-expression, obeying rules, decision-making appropriate situational behavior and how to interact with others and maintain relationships. The class may over-enroll with administrative approval.

(1081E1, 1081E2, 1081E3, 1081E4) Enrollment is recommended for up to 10 students.

(1081H1, 1081H2, 1081H3, 1081H4) Enrollment is recommended for up to 7 students.

(108K1/K2/K3/K4) Additional communication skills and social skills continue to be an area of emphasis of focus. Enrollment is recommended for up to 7 students.

(1081K1, 1081K2, 1081K3, 1081K4) This course is for students who require more opportunities to develop these skills. Enrollment is recommended for up to 7 students.

Reading/Literature: This course may be offered each term. The organization of this course allows the student to meet reading/literature graduation requirements of the language arts offerings. The counselor, teacher and student will determine the requirement this particular enrollment period is to meet. The instruction is additionally developed to provide students the opportunity to enhance skills in self-control, self-expression, obeying rules, decision-making appropriate situational behavior and how to interact with others and maintain relationships. The class may over-enroll with administrative approval.

(1031E1, 1031E2, 1031E3, 1031E4) Enrollment is recommended for up to 10 students.

(1031H1, 1031H2, 1031H3, 1031H4) Enrollment is recommended for up to 7 students.

(1031K1/K2/K3/K4) Additional communication skills and social skills continue to be an area of emphasis of focus. Enrollment is recommended for up to 7 students.

(1031T1/T2/T3/T4) This course is for students who require more opportunities to develop these skills. Enrollment is recommended for up to 7 students.

MATHEMATICS

These classes are taught in a setting with IEP students only. Students must meet specific requirements outlined in the IEP to be eligible for enrollment in these classes.

SPECIAL EDUCATION (Con't)

Math Applications: A two term class which may be repeated. The emphasis is on Daily Living math skills which include computation, problem solving, money, time, measurement and calculator use. Personal Consumer Math Skills include personal financial management, banking and comparison shopping. Work Place Math Skills include understanding wages, benefits, taxes and budgeting. This class may over enroll with administrative approval.

(2013D1, 203D2) Enrollment is recommended for up to 15 students.

(2013G1, 2013G2) The instruction is developed around domestic living skills, accessing the community, recreational/leisure settings and vocational domains. Enrollment is recommended for up to 7 students.

Mathematics: This course may be offered each term. The organization of this course allows the student to meet graduation requirements of the mathematics offerings. The counselor, teacher and student will determine the requirement this particular enrollment period is to meet. The instruction is additionally developed to provide students the opportunity to enhance skills in self-control, self-expression, obeying rules, decision-making appropriate situational behavior and how to interact with others and maintain relationships. The class may over-enroll with administrative approval.

(2013E1, 2013E2, 2013E3, 2013E4) Enrollment is recommended for up to 10 students.

(2013H1, 2013H2, 2013H3, 2013H4) Enrollment is recommended for up to 7 students.

(2013K1/K2/K3/K4) Additional communication skills and social skills continue to be an area of emphasis of focus. Enrollment is recommended for up to 7 students.

(2013T1/T2/T3/T4) This course is for students who require more opportunities to develop these skills. Enrollment is recommended for up to 7 students.

SCIENCE

Science: This is a two term class that may be repeated. Instruction will include Personal Science (body systems, personal hygiene, sex education, substance abuse, nutrition and fitness, first aid, medical terminology and accessing medical services) and Earth Science (plants and animals, weather and solar systems). This class may over enroll with administrative approval.

(1701D1, 1701D2) Enrollment is recommended for up to 15 students.

(1701G1, 1701G2, 1701G3, 1701G4) The instruction is developed around domestic living skills, accessing the community, recreational/leisure settings and vocational domains. Enrollment is recommended for up to 7 students.

Science: This course may be offered each term. The organization of this course allows the student to meet graduation requirements of the science offerings. The counselor, teacher and student will determine the requirement this particular enrollment period is to meet. The instruction is additionally developed to provide students the opportunity to enhance skills in self-control, self-expression, obeying rules, decision-making appropriate situational behavior and how to interact with others and maintain relationships. This course is for students who require more opportunities to develop these skills.

(1701E1, 1701E2, 1701E3, 1701E4) Enrollment is recommended for up to 10 students.

(1701H1, 1701H2, 1701H3, 1701H4) Enrollment is recommended for up to 7 students.

(1701K1/K2/K3/K4) Additional communication skills and social skills continue to be an area of emphasis of focus. Enrollment is recommended for up to 7 students.

(1701T1/T2/T3/T4) This course is for students who require more opportunities to develop these skills. Enrollment is recommended for up to 7 students.

SOCIAL STUDIES

Social Studies: This is a two term class that may be repeated. The emphasis is placed on developing social skills used at home, school, work and in other community settings. Skills will include, but not be limited to : organization of local, state and federal government and one's responsibility as a voter; current events and their impact on us as individuals and groups of people; self-concept and self esteem (emotions, perception, self control, personal goal setting, problem solving and personal loss); dealing with peers/family (values clarification, peer pressure, conflict, competition, friendship and group living); school and community (appropriate classroom and cafeteria behaviors, behavior in unstructured settings, teacher expectations, adjustment to a variety of supervisors, appropriate behavior in a variety of community settings); and jobs (completion of job applications, interviews, relationships with other employees and supervisors, understanding employer expectations, adapting to various settings, appropriate dress and perseverance). The instruction is developed around domestic living skills, accessing the community, recreational/leisure settings and vocational domains. The class may over-enroll with administrative approval.

(2714D1, 2714D2) Enrollment is recommended for up to 15 students.

(2714G1, 2714G2, 2714G3, 2714G4) The instruction is developed around domestic living skills, accessing the community, recreational/leisure settings and vocational domains. Enrollment is recommended for up to 7 students.

Social Studies: This course may be offered each term. The organization of this course allows the student to meet graduation requirements of the social studies offerings. The counselor, teacher and student will determine the requirement this particular enrollment period is to meet. The instruction is additionally developed to provide students the opportunity to enhance skills in self-control, self-expression, obeying rules, decision-making appropriate situational behavior and how to interact with others and maintain relationships.

(2714E1, 2714E2, 2714E3, 2714E4) Enrollment is recommended for up to 10 students.

(2714H1, 2714H2, 2714H3, 2714H4) Enrollment is recommended for up to 7 students.

(2714K1/K2/K3/K4) Additional communication skills and social skills continue to be an area of emphasis of focus. Enrollment is recommended for up to 7 students.

(2714T1/T2/T3/T4) This course is for students who require more opportunities to develop these skills. Enrollment is recommended for up to 7 students.

SPECIAL EDUCATION (Con't)

OTHER

Computer Applications:

This course will begin with proper keyboarding techniques and a review of the keyboard. Students will develop and/or revise a variety of personal and business letters, reports, tables and memos. Students will learn how to prepare Power Point presentations, use spreadsheets and databases for simple tasks. The instruction is developed around domestic living skills, accessing the community, recreational/leisure settings and vocational domains. This course may be repeated and is required for graduation

(030D1, 030D2, 030D3, 030D4) Enrollment is recommended for up to 7 students.

(030G1, 030G2, 030G3, 030G4) The instruction is developed around domestic living skills, accessing the community, recreational/leisure settings and vocational domains. Enrollment is recommended for up to 15 students.

(030H1, 030H2, 030H3, 030H4) The instruction is additionally developed to provide students the opportunity to enhance skills in self-control, self-expression, obeying rules, decision-making appropriate situational behavior and how to interact with others and maintain relationships. Enrollment is recommended for up to 7 students

Computer Applications:

This course will begin with proper keyboarding techniques and a review of the keyboard. Students will develop and/or revise a variety of personal and business letters, reports, tables and memos. Students will learn how to prepare Power Point presentations, use spreadsheets and databases for simple tasks. The instruction is additionally developed to provide students the opportunity to enhance skills in self-control, self-expression, obeying rules, decision-making appropriate situational behavior and how to interact with others and maintain relationships. This course may be repeated and is required for graduation

(030E1, 030E2, 030E3, 030E4) Enrollment is recommended for up to 10 students.

(030K1/K2/K3/K4) Additional communication skills and social skills continue to be an area of emphasis of focus. Enrollment is recommended for up to 7 students.

(030T1/T2/T3/T4) This course is for students who require more opportunities to develop these skills Enrollment is recommended for up to 7 students.

Domestic Living: A two term class which may be repeated. Instruction will include care/maintenance of the home, care of clothing, hobbies and recreational activities, meal planning and preparation. This class may over enroll with administrative approval.

(0513D1, 0513D2) Enrollment is recommended for up to 15 students.

(0513G1, 0513G2, 0513G3, 0513G4) The instruction is developed around domestic living skills, accessing the community, recreational/leisure settings and vocational domains. Enrollment is recommended for up to 7 students

(0513T1/T2/T3/T4) The instruction is developed around domestic living skills, accessing the community, recreational/leisure settings and vocational domains. This course is for students who require more opportunities to develop these skills. Enrollment is recommended for up to 7 students. This class may over enroll with administrative approval. Enrollment is recommended for up to 7 students.

(0513K1/K2/K3/K4) The instruction is developed around domestic living skills, accessing the community, recreational/leisure settings and vocational domains. Additional communication skills and social skills continue to be an area of emphasis of focus. Enrollment is recommended for up to 7 students.

Life Skills: (0513K1, 0513K2) The instructional focus is organized and developed around the domestic, community, recreation/leisure and vocational domains. Students will engage in functional activities based on personal needs as identified by the staffing team. Skill areas may include positioning, communication and range of motion, behavior and self-help which will facilitate their participation in home, school and community environments. This is a two-term, day long program and is repeatable. Completion of reasonable activities and opportunities for transition from school to adult services equates with completion of graduation requirements and is defined by the staffing team. Enrollment in this class is recommended for up to 7 students. This class may over enroll with administrative approval.

OTHER SPECIAL CLASSES TAUGHT IN A SPECIAL EDUCATION SETTING

Behavior Awareness

CC CLASSES 2775E1, 2775E2, 2775E3, 2775E4

CS CLASSES 2775H1, 2775H2, 2775H3, 2775H4

Keyboarding

CC CLASSES NEED CODES

CC CLASSES NEED CODES

Physical Education

CC CLASSES 2301E1, 2301E2, 2301E3, 2301E4

CS CLASSES 2301H1, 2301H2, 2301H3, 2301H4

Health Education

CC CLASSES 1401E1/1401E2/1401E3/1401E4

CS CLASSES 1401H1/1401H2/1401H3/1401H4

Lifetime Fitness Education

CC CLASSES 2341E1, 2341E2, 2341E3, 2341E4

CS CLASSES 2341H1, 2341H2, 2341H3, 2341H4

Directed Study

2796G1, 2796G2

It is recommended that students follow the sequence of career courses. Exceptions must be approved by the work experience teacher.

Career & Work Experience Opportunities

Subject	Course Numbers	Units per course	Grade Level Offered				Prerequisites and Related Information
			9	10	11	12	
Career Exploration 1		0.5	X	X			Approval of work experience teacher
Career Exploration 2		1			X	X	Approval of work experience teacher
Career Exploration 3		2				X	Approval of work experience teacher

Career Exploration (1): Freshman and sophomore students will have an opportunity to learn first hand about career of interest by volunteering (unpaid) at a business or community worksite. A written proposal will be jointly agreed upon between student and the work experience teacher. Students will perform a variety of tasks that expose them to many facets of their career choice. The exploration will enable students to obtain valuable knowledge and skills to help them make informed decisions about their future. This is less than 15 hours per week.

Career Emphasis (2): Junior and senior students will have an opportunity to work at one or more sites to gain in-depth knowledge and skills first-hand about one or more career fields. A written proposal will be jointly agreed upon between the student and work experience teacher. Work experiences may consist of a variety of time frames with possible periods of unemployment filled with volunteer service projects, self directed studies and school-related activities. Student may be paid for some of their work, but it depends on the situations. Placements will be dependent upon the situation(s). Placements will be dependent upon available sites and the student's skills. This is 15 hours a week or more.

Career Practicum (3): This course is for seniors only. It is similar in structure to Career Emphasis with more rigorous expectations required from the student. This is 15 hours a week or more.

	CC	CC	CS	CS
Career Exploration 1	0896D1/D2	0896E1/E2	0896G1/G2	0896H1/H2
Career Emphasis 2	0896D3/D4	0896E3/E4	0896G3/G4	0896H3/H4
Career Practicum 3	0896D5/D6	0896E5/E6	0896G5/G6	0896H5/H6

POSTSECONDARY EDUCATION ADMISSION REQUIREMENTS

St. Ambrose University, Davenport, Iowa

1. Have a cumulative grade point average of 2.5 or above (on a 4.0 scale) from an accredited high school
AND EITHER
2. Have a composite score of 20 or above on the American College Testing Program (ACT) or a 950 or above on the Scholastic Aptitude Test (SAT) of the College Board. Students who graduated from high school five or more years ago do not need to supply ACT or SAT scores.
OR
3. Have an ACT composite score of 18 or 19 (or an SAT score between 870 and 950) AND graduate in the upper half of their senior class.

B. Provisional Admission: Students ineligible for full admission because they do not meet the above standards may be admitted on a provisional basis. Academic progress of provisional students is monitored each semester by the Board of Studies.

C. Petition Process: Applicants who don't meet the minimum criteria for either category above may petition the Admissions Standards Committee. More information on this process is available from the Admissions Office.

D. Health History: All undergraduate students are required to have on file in the Health Services Office a properly completed health form which includes a health history, a physical examination by a physician and immunization dates. This information is confidential and is available only to the Director of Health Services. Release of health information requires student's signature.

E. Placement Tests: All undergraduate students are required to take placement tests in writing and mathematics. Students also may take a foreign language placement test. Usually this is done during orientation sessions the summer before students begin classes.

Augustana University, Rock Island, Illinois Official high school transcript

- ACT/SAT scores
- School report/Guidance counselor recommendation
- Teacher recommendation
- Writing sample
- Three years of social science
- Additionally, honors, advanced placement and international baccalaureate courses are recognized if they are available at your school. We also ask applicants to submit a high-quality writing sample so we can learn more about your personality and individuality. This gives you an opportunity to organize your thoughts and express yourself. Acceptable writing samples:
 - A graded paper from any high school class, preferably showing the grade earned
 - A personal statement of values, beliefs, idiosyncrasies and talents
 - The application for admissions also suggests topics for original essays.
- Four years of English
- Two years of a laboratory science
- Three or four years of mathematics
- Two years of a foreign language

Augustana currently accepts scores from either the ACT or SAT I. If you have taken a test multiple times, we will consider your highest scores.

Blackhawk College

Business & Community Education Center courses are designed primarily to serve part-time post high school students regardless of their previous formal education. Any person 16 years of age or over who is not regularly enrolled as a full-time public school student is eligible to enroll.

Eastern Iowa Community College (Includes Scott, Muscatine and Clinton)

The open-door admissions policy means that anyone over the age of 16 may apply at Clinton, Muscatine, or Scott Community College, even if you don't have a high school diploma. In that case, a GED high school equivalency diploma will be accepted. However, once admitted into the college, you are not guaranteed admission into a specific program. An advisor can tell you about the requirements for your chosen program. In any case, you will be given an assessment test or use your ACT score or high school transcript for placement in core English and math courses.

Building & Construction Trades Apprenticeship Programs Minimum Requirements:

- Minimum of 17 years old to apply
- High school diploma or GED
- High school transcript
- Valid drivers license
- Pass a physical examination, if applicable
- Qualifying scores on any tests that may be given
- Have a negative result on drug screening exam
- Successful completion of one year of Algebra (Electrician's Program only)
- If you are pursuing a **two-year Associate in Arts** degree for transfer: Make sure you take all the core courses suggested for college prep while still in high school – **four years of English and three years each of math, science and social studies**. Send your ACT scores to Clinton, Muscatine or Scott Community College.
- If you decide on a two-year Associate in Applied Science degree, a one-year diploma, or a certificate in career technologies, be sure your math and science skills are strong. If you intend to go into a health field, a background in biology and/or anatomy and physiology is helpful.

While the College does not have specific requirements, it is recommended that a student take technology related courses such as: technology education (formerly industrial technology), electronics, manual drafting, CAD drafting while in high school. For student interested in medical related occupations, it is recommended that a student take health related courses such as health, biology, basic math and any other courses in high school that will help prepare you for studies in the medical area.

POSTSECONDARY EDUCATION ADMISSION REQUIREMENTS (Con't)

Kaplan University, Davenport Iowa

No admission requirements. Students must take an assessment to determine Algebra and Writing abilities.

Western Illinois University

Pending graduation from a state-recognized high school, applicants to Western Illinois University who meet the following criteria are eligible for regular admission:

- Minimum cumulative grade point average of 2.5 on a 4.0 scale
-AND-
- ACT composite score is 20 (SAT - 920) the higher your grade point average, the lower your ACT/SAT test score can be and vice-versa. These are minimum requirements and do not guarantee admission to Western Illinois University. Please consult an admissions counselor for questions regarding your individual situation.

High School Curriculum Requirements

Freshman entering WIU are to have completed the following high school course work prior to entering the University:

- English: four years of courses, with emphasis on written and oral communication and literature
- Social Studies: three years of courses, emphasizing history and government
- Mathematics: three years of courses, introductory through advanced algebra, geometry, trigonometry, or fundamentals of computer programming
- Science: three years of courses, laboratory sciences which include biology, chemistry, physics, earth science, or other college preparatory sciences
- Other: two years of electives to be selected from art, film, foreign language, music, speech, theatre, journalism, religion, philosophy and vocational education
- If a student has not completed the course-specific requirements, the University will evaluate those students on a case-by-case basis for evidence of the mastery of skills in the area(s) of the deficiency

Subject Area	Iowa State University	The University of Iowa	University of Northern Iowa	Optimum Recommendations For Post Secondary Success
English Language Arts	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 will be valuable. Extracurricular activities such as debate, speech contest, newspaper and yearbook will further develop essential competencies.
Math	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 two years of algebra, one year of geometry and one year of higher mathematics (trigonometry, analysis, or calculus), for admission to the College of Engineering.	Three years, including the equivalent of algebra, geometry and advanced algebra.	Four years, one in every year of high school. While advanced courses like calculus and statistics are good, it's more important that you gain a complete understanding of algebra 2 and trigonometry.
Natural Science	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 chemistry and 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 every 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's offerings.
Social Science	Two years for admission to the Colleges of Agriculture, Business, Design, Human Sciences and Engineering. 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, with U.S. history 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 anthropology, economics, political science, psychology and sociology provide an important understanding of our political, social and economic institutions.
Foreign Language	Two years of a single foreign language for admission to the College of Liberal Arts and Sciences and the College of Engineering. Foreign language courses are not required for admission to the Colleges of Agriculture, Business, Design, or Human Sciences.	Two years of a single foreign language.	Foreign language courses are not required for admission. However, two years of a 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 being to use the language and reinforce your fluency.
Other Courses	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, career and technical education, computers, or technology will help round out your high school experience. Perhaps your future field of concentration or career will lie in one of those areas. Follow your interests, your talents and the strengths of your school. And choose courses with high academic standards.

<p style="text-align: center;">BOARD OF REGENTS, STATE OF IOWA Freshman Admission Requirements to the Regent Universities</p>

Admission of freshmen who wish to enroll at any of the Iowa Regent universities beginning Fall 2009 and beyond will be based on the Regent Admission Index (RAI) equation described below. In addition, applicants must meet the minimum high school course requirements for the university they wish to enter.

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

Regent Admission Index Score

Note: For purposes of calculating the RAI, SAT scores will be converted to ACT composite equivalents, 99% is the top value for high school rank, 4.00 is the top value for GPA and the number of high school core courses completed is expressed in terms of years or fractions of years (e.g., one semester equals 0.5 year). Applicants who do not possess all required factors will be evaluated on an individual basis by the Regent universities to which they apply. Freshman applicants from Iowa high schools who achieve at least a 245 RAI score and who meet the minimum number of high school courses required by the Regent universities will qualify for automatic admission to any of the three Regent universities.

Freshman applicants who achieve less than a 245 RAI score may also be admitted to a specific Regent university; however, each Regent university will review these applications on an individual basis and the admission decision will be specific to each institution. Freshman applicants from approved high schools in other states may be held to higher academic standards, but must meet at least the same requirements as graduates of Iowa high schools. The Regent universities recognize that the traditional measures of academic performance do not adequately describe some students' potential for success. Therefore, the Regent universities strongly encourage all interested students to apply for admission. Applicants who feel their academic record is not an accurate reflection of their potential for success are encouraged to provide supplemental information explaining their circumstances in addition to the application, academic transcripts and test scores.

NATIONAL ASSOCIATION OF INTERCOLLEGIATE Athletes (NAIA)
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National Association of Intercollegiate Athletes (NAIA). <http://naia.cstv.com/>

The NAIA became active September 1, 2010 for students entering college in 2011-2012. If you will graduate from high school this spring (2011) and enroll in college this coming fall, the requirements are simple. An entering freshman must be a graduate of an accredited high school or be accepted as a regular student in good standing as defined by the enrolling institution and meet two of the three following requirements:

- 1. Achieve a minimum of 18 on the Enhanced ACT or 860 on the SAT.**
- 2. Achieve a minimum overall high school grade point average of 2.0 on a 4.0 scale**
- 3. Graduate in the top half of your high school class.**

If as an entering freshman you do not meet at least two of the three standards, you cannot participate in athletics for the first full year of attendance (2 semesters, 3 quarters, or equivalent).

Below is a listing of Iowa Colleges who require students to meet NAIA eligibility requirements to play sports for their school. I have also included a link to the entire listing for the nation. <http://naia.cstv.com/member-services/about/members.htm>

**Iowa Wesleyan College, Mount Pleasant, IA
Saint Ambrose University, Davenport, IA
Waldorf College, Forest City, IA
William Penn University, Oskaloosa, IA
Northwestern College, Orange City, IA
Mount Mercy College, Cedar Rapids, IA
Morningside College, Sioux City, IA
Grand View University, Des Moines, IA
Dordt College, Sioux Center, IA
Graceland University, Lamoni, IA
Clarke College, Dubuque, IA
Briar Cliff University, Sioux City, IA
AIB College of Business, Des Moines, IA
Ashford University, Clinton, IA**

NCAA ELIGIBILITY REQUIREMENTS

Important Information about Division I and Division II Initial-Eligibility Changes

WHAT IS THE NEW RULE? The new requirements increase the number of required core courses from 13 to 14. The additional course may come from any of the following areas: English, mathematics, natural/physical science, social science, foreign language, non-doctrinal religion or philosophy.

You will need to present 16 core courses in the following breakdown:

- 4 years of English
- 3 years of mathematics (Algebra I or higher)
- 2 years of natural/physical science (one must be a lab science)
- 1 year of additional English, math or science
- 2 years of social studies
- 4 years of additional core courses (from any area listed above, or from foreign language, non-doctrinal religion or philosophy)

What requirements do I need to be able to practice, play and get a scholarship at a Division I or Division II school?

You need to complete the following:

- Graduate from high school;
Complete a minimum of 14* core courses; * In Division I, the minimum number of core courses are 16 for students who enter a Division I school August 1, 2008 and after.
- Present a minimum grade-point average (GPA) in those 14* core courses; and
- Present a qualifying test score on either the ACT or SAT test.

Register online!

Prospective student-athletes may register with the NCAA Initial-Eligibility Clearinghouse on-line. Simply go to the Initial-Eligibility Clearinghouse Web site by clicking [here](#) or on the clearinghouse link on the right side of this page. By registering on-line, prospects will be able to view their eligibility information on-line and will not have to call the clearinghouse for eligibility updates. On-line registration saves time and allows prospective student-athletes to view their eligibility status up to six weeks faster than through the paper registration process.

For more information related to NCAA Initial-Eligibility Clearinghouse, please visit our website at:

www.ncaaclearinghouse.net

or call

1-877-262-1492 Mon.-Fri- 8-am to 5pm

**Graduation Requirement Worksheet
Davenport Community High Schools**

Language Arts A total of 8 terms is required	Social Studies A total of 6 terms is required	Mathematics A total of 6 terms is required
<p align="center">Language Arts-Grade 9 2 terms required from this group</p> <p>T1 <input type="checkbox"/> T2 <input type="checkbox"/> English 9 T1 <input type="checkbox"/> T2 <input type="checkbox"/> Freshman Honors English</p>	<p align="center">Social Studies-Grade 9 2 terms required</p> <p>T1 <input type="checkbox"/> American Studies II T2 <input type="checkbox"/> American Studies II</p>	<p align="center">Mathematics A total of 6 terms is required</p> <p>T1 <input type="checkbox"/> T2 <input type="checkbox"/> CT Algebraic Principles OR T1 <input type="checkbox"/> T2 <input type="checkbox"/> Algebraic Principles</p>
<p align="center">Language Arts- Speech Required</p> <p>T1 <input type="checkbox"/> Speech</p>	<p align="center">Social Studies-American History 1 term required from this group</p> <p>T1 <input type="checkbox"/> Contemporary American History T1 <input type="checkbox"/> Historical Viewpoints in Modern Am. T1 <input type="checkbox"/> T2 <input type="checkbox"/> T3 <input type="checkbox"/> AP US History</p>	<p>T1 <input type="checkbox"/> T2 <input type="checkbox"/> T3 <input type="checkbox"/> T4 <input type="checkbox"/> CT Algebra 1 OR T1 <input type="checkbox"/> T2 <input type="checkbox"/> Algebra 1</p>
<p align="center">Language Arts-Writing 1 term required from this group</p> <p>T1 <input type="checkbox"/> Writing Experiences T1 <input type="checkbox"/> Journalistic Writing</p>	<p align="center">Social Studies-World Studies 1 terms required from this group</p> <p>T1 <input type="checkbox"/> Early Western Civilization T1 <input type="checkbox"/> Modern Western Civilization T1 <input type="checkbox"/> World Cultures T1 <input type="checkbox"/> Geography T1 <input type="checkbox"/> Contemporary World Issues</p>	<p>T1 <input type="checkbox"/> Consumer Math 1 T1 <input type="checkbox"/> Consumer Math 2 T1 <input type="checkbox"/> T2 <input type="checkbox"/> Intermediate Math T1 <input type="checkbox"/> T2 <input type="checkbox"/> Geometry T1 <input type="checkbox"/> T2 <input type="checkbox"/> Algebra 2 T1 <input type="checkbox"/> T2 <input type="checkbox"/> Discrete Math T1 <input type="checkbox"/> T2 <input type="checkbox"/> Pre-Calculus T1 <input type="checkbox"/> T2 <input type="checkbox"/> T3 <input type="checkbox"/> AP Calculus T1 <input type="checkbox"/> T2 <input type="checkbox"/> T3 <input type="checkbox"/> AP Statistics T1 <input type="checkbox"/> T2 <input type="checkbox"/> Math for Liberal Arts</p>
<p align="center">American Literature 1 term required from this group</p> <p>T1 <input type="checkbox"/> American Readings T1 <input type="checkbox"/> American Literature T1 <input type="checkbox"/> American Authors</p>	<p align="center">Social Studies-Social Sciences 1 term required from this group</p> <p>T1 <input type="checkbox"/> Applied Economics T1 <input type="checkbox"/> Economics T1 <input type="checkbox"/> Sociology T1 <input type="checkbox"/> Psychology T1 <input type="checkbox"/> Advanced Psychology T1 <input type="checkbox"/> Intro to Psych (PSY 111)</p>	
<p align="center">Language Arts-General Lit 1 term required from this group</p> <p>T1 <input type="checkbox"/> Classical Literature T1 <input type="checkbox"/> Guided Literature Projects T1 <input type="checkbox"/> Contemporary Literature T1 <input type="checkbox"/> In the Spirit of Poetry T1 <input type="checkbox"/> Literacy Lab: READ 180 T1 <input type="checkbox"/> T2 <input type="checkbox"/> T3 <input type="checkbox"/> AP English Lit & Comp</p>	<p align="center">Social Studies-American Government 1 term required from this group</p> <p>T1 <input type="checkbox"/> American Government T1 <input type="checkbox"/> T2 <input type="checkbox"/> T3 <input type="checkbox"/> AP US Government and Politics</p>	Science A total of 6 terms required
	<p align="center">Technology 1 term required from this group</p> <p>T1 <input type="checkbox"/> Word Processing T1 <input type="checkbox"/> Computer Applications 1</p>	Science A total of 6 terms required
<p align="center">Language Arts Junior-Senior Writing 1 term required from this group</p> <p>T1 <input type="checkbox"/> Advanced Writing T1 <input type="checkbox"/> Writers' Studio T1 <input type="checkbox"/> Guided Writing Projects T1 <input type="checkbox"/> T2 <input type="checkbox"/> T3 <input type="checkbox"/> AP English Lit & Comp</p>	<p align="center">Physical Education 1 term required each year</p> <p>T1 <input type="checkbox"/> Life Fitness Required by all 9th grade T1 <input type="checkbox"/> 10 T1 <input type="checkbox"/> 11 T1 <input type="checkbox"/> 12</p> <p>4 terms of Early Bird BFS = 1 term of PE</p>	<p>Life Science T1 <input type="checkbox"/> T2 <input type="checkbox"/> Investigative Biology T1 <input type="checkbox"/> T2 <input type="checkbox"/> Molecular Biology</p> <p>Earth Science T1 <input type="checkbox"/> Earth Materials T1 <input type="checkbox"/> Weather/Climate/Space</p>
<p align="center">Language Arts-Elective 1 term required</p> <p>T1 <input type="checkbox"/> _____</p> <p align="center">Please consult the course guide and write in your choice.</p>	<p>Typical Schedule:</p> <ul style="list-style-type: none"> • 32 credits possible in 4 years • 26 credits needed to graduate • 15.5 credits specifically REQUIRED to graduate • _____ <p>Other Credits:</p> <ul style="list-style-type: none"> • 3-4 credits on focused electives linked to student career cluster recommended • 12.5 to 13.5 credits of personal choice 	<p>Physical Science T1 <input type="checkbox"/> T2 <input type="checkbox"/> Physical Science T1 <input type="checkbox"/> T2 <input type="checkbox"/> General Chemistry T1 <input type="checkbox"/> T2 <input type="checkbox"/> Physics</p> <p>Electives T1 <input type="checkbox"/> Environmental Studies I T1 <input type="checkbox"/> Environmental Studies II T1 <input type="checkbox"/> Invertebrate Zoology T1 <input type="checkbox"/> Vertebrate Zoology T1 <input type="checkbox"/> T2 <input type="checkbox"/> Environmental Science T1 <input type="checkbox"/> T2 <input type="checkbox"/> Anatomy & Physiology T1 <input type="checkbox"/> Genetics T1 <input type="checkbox"/> T2 <input type="checkbox"/> T3 <input type="checkbox"/> AP Biology T1 <input type="checkbox"/> Meteorology T1 <input type="checkbox"/> Forensic Science T1 <input type="checkbox"/> Advanced Chemistry T1 <input type="checkbox"/> T2 <input type="checkbox"/> T3 <input type="checkbox"/> AP Chemistry</p>