

**COLLINSVILLE HIGH SCHOOL
GENERAL COURSE OFFERING GUIDE
2009-2010**



HOME OF THE “KAHOKS”

**“LEARNING IS A TREASURE THAT WILL FOLLOW
ITS OWNER EVERYWHERE”**

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2009-10 COURSE OFFERING GUIDE

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ADMINISTRATION: **Dr. Dennis Craft**, *Superintendent*; **Mr. Patrick Murphy**, *Assistant Superintendent of Educational Service*; **Mrs. Julie Brown**, *Assistant Superintendent of Curriculum and Instruction*; **Mrs. Susan Homes**, *Assistant Superintendent of Human Resources*; **Mrs. Kelly Grapperhaus**, *Director of Special Education Services*; **Ms. Uta Robison**, *Director of Business Affairs*; **Mr. Mike Kunz**, *Director of Technology*; and **Mr. Mike Hollingshead**, *Director of Buildings and Grounds*.

BOARD OF EDUCATION: **Mrs. Jeanne Piesbergen**, *President*; **Mr. Anthony Albertina**, *Vice President*; **Mr. William Jokerst**, *Treasurer*; **Mr. James Achenbach**, *Secretary*; **Mrs. Theresa Billy**, **Mr. Gary Peccola**, and **Mr. Wayne White**.

PLAN COURSE SELECTION CAREFULLY

The guidance department has prepared this booklet to help you with the selection of classes for the 2009-10 school year.

The purpose of this booklet is to provide information about the course offerings at Collinsville High School and to improve communication among parents, students and counselors. It is specifically designed to help each student plan his/her course of study from the more than 300 courses offered.

Students and their parents are encouraged to read the various course descriptions and, in consultation with their counselors and teachers, select courses that best serve their specific interests and needs. Courses selected should help a student reach his educational goals.

The suggestions below are included so that a student can successfully use this guide:

1. **Plan early.** If you alter your educational goals, changes can be made in your program.
2. **Make decisions carefully** in light of personal objectives and future goals.
3. **Study the course descriptions** and pay particular attention to prerequisites.
4. **Study the graduation requirements.**
5. **Keep in mind** the requirements for post secondary opportunities as you plan your program of studies.

COLLINSVILLE HIGH SCHOOL

**2201 S. Morrison
Collinsville, IL 62234
618-346-6320**

GRADUATION CREDIT REQUIREMENTS

12th Grade	Class of 2010	22 Credits
11th Grade	Class of 2011	22 Credits
10th Grade	Class of 2012	22 Credits
9th Grade	Class of 2013	22 Credits

REQUIRED COURSES

There is no limitation on the maximum number of units of credits a student can earn, but the following courses are required and must be successfully completed:

1. **English** (4 credits) 1 writing intensive course (Beginning with the class of 2011)
2. **Mathematics** (3 credits) 1 credit of Geometry (Beginning with the class of 2010)
3. **Science** (2 credits) – 1 credit of a Life Science and 1 credit of a Physical Science
4. **Social Studies**.(2 ½ credits) including one-half credit in Civics one credit in United States History, and one credit in World History or World Geography.
5. **Physical Ed.** (2 ½ credits) -4 semesters of PE and 1 semester of Health.
6. **Consumer Ed.** – Adult Living (1/2 credit), Consumer Education (1/2 credit), Consumer Math (full credit), Business Today and Tomorrow: A Changing World (full credit), Economics (1/2 credit) or Cooperative Education (2 ½ credits) may be substituted
7. **Microsoft Applications**, (½ credit)

** Required courses are subject to change.

Classification of Students

Freshmen: During the freshman year students with a normal class load may earn 6.0 credits. Students who have fewer than 6.0 credits at the end of 9th grade are deficient and should make plans to remove this deficiency. **Students at the end of their freshman year need to earn at least 5 credits to be classified as sophomores.**

Sophomores: During the sophomore year students with a normal class load may earn 6.0 credits in addition to those already earned. Students who have fewer than 12.0 credits at the end of 10th grade are deficient and should make plans to remove this deficiency. **Students at the end of their sophomore year need to earn at least 10 credits to be classified as juniors.**

Juniors: During the junior year students with a normal class load may earn 6.0 credits in addition to those already earned. Students who have fewer than 18.0 credits at the end of 11th grade are deficient and should make plans to remove this deficiency. **Students at the end of their junior year need to earn at least 15 credits to be classified as seniors.**

Seniors: To be classified as seniors, students must have attended high school for six semesters. During the senior year students with a normal class load may earn 6.0 credits in addition to those already earned. If needed, a senior may earn up to one additional credit for correspondence courses. **Students who have not earned credits in all of the required course work, passed exams on the United States Constitution and Illinois Constitution, taken the Prairies State Achievement Exam, and accumulated a total of at least 22.0 credits will not be graduated.** They will not be allowed to participate in graduation ceremonies until any and all deficiencies are removed.

CLASS LOAD

All students must select six classes per semester.

ACCREDITATION

The Illinois State Board of Education and the North Central Association of Colleges and Secondary Schools accredit Collinsville High School.

SCHOOL YEAR

The school year consists of two semesters, a total of 36 weeks per year. The school calendar is set by the Board of Education each year

FEES

Book rental fee is \$85, the technology fee is \$15 and the Foods class is \$10 per semester, also Photography is \$45.00 for the semester course and shall be paid at the beginning of the year during registration.

EDUCATION TO CAREERS

Education to Careers (ETC) is a unique program that guides students to a satisfying, well-paying job. Students select from one of the two following pathways:

The two pathways are:

1. **University Prep** – a planned academic curriculum for those students who will move on to attend a four-year university.

OR

2. **Tech Prep** – this program will meet the admission requirements of most two-year colleges and technical schools. Students will have a strong academic and vocational background. This pathway is also for those students who want to get a good academic base with vocational training to enable them to enter the work force upon graduation.

UNIVERSITY PREP

College entrance requirements vary from one institution to another. College bound students should consult with their counselor, college bulletins, and college admission counselors for specific information.

The Illinois Board of Higher Education in November of 1985 established minimum preparation and admission requirements for admission to public universities beginning in the fall of 1993. A number of colleges and universities, private as well as public, have already implemented these requirements.

The Illinois Board of Higher Education requirements are:

- 4 years of English (emphasizing literature and written and oral communications),
- 3 years of social studies (emphasizing history and government),
- 3-4 years of mathematics (introductory through advanced algebra, and trigonometry)
- 3 years of the sciences (laboratory sciences), and
- 2 years of electives chosen from foreign language, music, art, or vocational education.

TECH PREP

Students in Tech Prep pathway will be able to choose one of fourteen career programs to enter:

<i>Auto Body</i>	<i>Computer Drafting Design</i>	<i>Horticulture</i>
<i>Automotive Technology</i>	<i>Criminal Justice</i>	<i>Precision Machining</i>
<i>Building Trades</i>	<i>Electronics</i>	<i>Networking Technology</i>
<i>Child/Day Care Services</i>	<i>Food Service and Hospitality Management</i>	<i>Welding Technology</i>
<i>Computer Applications</i>	<i>Health Occupations</i>	

All students are eligible to enroll in courses regardless of race, gender, color, national origin, religion or handicap.

GRADING SYSTEM - CREDITS

LETTER GRADE	AP/Pre AP GRADE POINTS	COLLEGE PREP GRADE POINTS	REGULAR GRADE POINTS	NUMERICAL SCORES
A	5.0	4.5	4.0	100 – 90
B	4.0	3.5	3.0	89-80
C	3.0	2.5	2.0	79-70
D	1.0	1.0	1.0	69-60
F	0	0	0	BELOW 59
I	(Incomplete)			
WF	(Withdrawal Failing)			
W	(Withdrawal)			
M	(Medical)			

One-half (1/2) Credit per semester is awarded for each course satisfactorily completed, except:

Co-op O.O. Interrelated	One class period	1-1/4 Credit/Semester
Vocational Center Classes	½ course load	1-1/2 Credit/Semester

If a class is dropped after the fifth week of a semester, the grade for that semester will be a WF. All work in regards to incomplete grades must be submitted within 5 weeks after the end of the grading period. If not, the incomplete will be recorded as an **F**.

A *CP* designates College Prep ranking before the title. An *AP* or *Pre AP* designates Advanced Placement courses or Pre Advanced Placement courses, which are honors courses.



Courses with this symbol are NCAA approved courses.

DUAL CREDIT

There are courses that we have established an agreement where a student can receive both high school credit and college credit from Southwestern Illinois College. Students interested in dual credits must meet requirements set forth in each program.



Courses with this symbol are dual credit approved courses.

RANK IN CLASS

Rank in class is computed at the end of each semester using the grade point average of all students within a class. Computation of grade point average is calculated from grades of all credited courses a student may take.

Collinsville High School – Course Offerings

BUSINESS

+*Microsoft Applications
*Advanced Microsoft Application
*Consumer Education
*Desktop Publishing
*Introduction to Web Page Design
*Keyboarding
*Exploring Careers
*Sports and Entertainment Marketing
*Fashion Marketing
Advanced Video Production
Business Today & Tomorrow: A Changing World
Computer Programming
CP Accounting I
CP Accounting II
Interrelated Co-op
Video Production
>Computer Applications
>Networking Technology

ENGLISH

*Contemporary Fiction
*Mythology
*Science Fiction & Society
Literature/Composition I
CP Literature/Composition I
Pre AP Literature/Composition I
Literature/Composition II
CP Literature/Composition II
Pre AP Literature/Composition II
Literature/Composition III
CP Literature/Composition III
AP Language III
Literature/Composition IV
CP Literature/Composition IV
CP Literature/Composition IV DC
AP Literature IV
Journalism

FAMILY AND CONSUMER SCIENCES

*Adult Living
*Child Development
*Foods 1
*Foods 2
*Intro Health Occupations
*Intro to Criminal Justice
*Medical Terminology
>Child/Day Care Services I & II
>Criminal Justice I & II
>Clinical Health Occupations
>Emergency Health Occupations
>Food Service/Hospitality Management I & II
>Horticulture I & II

FINE ARTS

*Advanced Crafts
*Cartooning
*Ceramics
*Crafts
*Dramatic Criticism
*General Music
*Illustration
*Music Appreciation
*Oral Communications
*Photography
*Printmaking
*Sculpture
AP Art Studio
AP Music Theory

Art
Beginning Piano
Concert Choir
Drawing
Mixed Choir
Painting
Percussion Class
Symphonic Band
Theater
Treble Choir
Wind Ensemble

FOREIGN LANGUAGE

French I
French II
CP French III
CP French IV
German I
German II
CP German III
CP German IV
Latin I
Latin II
CP Latin III
Pre AP Latin III
CP Latin IV
AP Latin IV Vergil
Spanish I
Spanish II
CP Spanish III
CP Spanish IV
AP Spanish IV-Lang & Comp
AP Spanish V-Lit & Comp

INDUSTRIAL TECHNICAL

*Intro to Drafting
*Intro to Electricity
*Intro to Metals
*Intro to Programming in “C” w/ Robotics
*Intro to Welding
*Intro to Woods
*Metals 1
*Metals 2
Computer Design CAD
Machine Tool Technology
Woods
>Auto Body I & II
>Auto Mechanics I & II
>Building Trades I, II & III
>Computer Drafting Design CAD
>CP Electronics I & II
>Precision Machining I

MATH

*CP Discrete Math
*CP Elementary Statistics
Paced Algebra I
Paced Algebra II
Algebra I
Geometry
Informal Geometry
Pre AP Geometry
Algebra II
Algebra II with Trig.
Pre AP Algebra II
CP Pre-Calculus with Trig
Pre AP Pre-Cal with Trig
CP Calculus
AP Calculus
AP Statistics

PHYSICAL EDUCATION

*Health
+Physical Education I
+Physical Education II
Physical Education III
Physical Education IV
Athletic Physical Education
Driver’s Education (NC)

SCIENCE

*Astronomy
*Geology
Physical Science
Environmental Science
CP Investigative Science
Biology I
Pre AP Biology I
Biology II
AP Biology II
CP Chemistry I
CP Chemistry II
Pre AP Chemistry I
AP Chemistry II
Pre AP Physics I
AP Physics II
CP Physiology

SOCIAL STUDIES

+*Civics
*Current Events
*Economics
*Psychology
*Sociology
US History
CP US History
AP US History
World Geography
World History
CP World History
AP Government and Politics

COLLINSVILLE AREA VOCATIONAL PROGRAMS

Auto Body I & II
Auto Mechanics I & II
Building Trades I, II & III
Child/Day Care Services I & II
Computer Applications
Computer Drafting Design (CAD) I
CP Electronics I & II
Food Service/Hospitality Management I & II
Clinical Health Occupations
Emergency Health Occupations
Horticulture I & II
Precision Machine Technology I & II
Criminal Justice I & II
Networking Technology
Welding Technology I & II

*Semester Classes
+Required
>CAVC Programs

FRESHMAN COURSES

BUSINESS

*Exploring Careers
*Microsoft Applications
*Keyboarding
Business Today & Tomorrow: A Changing World

ENGLISH

Literature/Composition I
CP Literature/Composition I
Pre AP Literature/Composition I

FAMILY AND CONSUMER SCIENCES

*Foods 1
*Foods 2
*Child Development
*Intro to Health Occupations
*Medical Terminology
*Intro to Criminal Justice
*Adult Living

FINE ARTS

*Ceramics
*Crafts
*General Music
*Printmaking
*Sculpture
*Advanced Crafts
Art
Beginning Piano
Mixed Choir
Percussion Class
Symphonic Band
Treble Choir
Wind Ensemble

FOREIGN LANGUAGE

Spanish I
Spanish II
Latin I
French I
German I

INDUSTRIAL EDUCATION

*Intro to Electricity
*Intro to Drafting
*Intro to Metals
*Intro to Welding
*Intro to Woods
*Metals 1
*Metals 2

MATH

Algebra I
Paced Algebra I
Geometry
Pre AP Geometry

PHYSICAL EDUCATION

Physical Education I
Athletic Physical Education
*Drivers Education

SCIENCE

Physical Science
Biology I
Pre AP Biology I

SOPHOMORE COURSES

BUSINESS

CP Accounting I
Business Today & Tomorrow: A Changing-World
Video Production
Computer Programming
*Advanced Microsoft Applications
*Introduction to Web Page Design
*Desktop Publishing
*Microsoft Applications
*Keyboarding
*Exploring Careers
*Fashion Marketing
*Sports Entertainment Marketing

ENGLISH

Literature/Composition II
CP Literature/Composition II
Pre AP Literature/Composition II
*Contemporary Fiction
*Mythology

FAMILY AND CONSUMER SCIENCES

*Foods 1
*Foods 2
*Child Development
*Intro to Health Occupations
*Medical Terminology
*Intro to Criminal Justice
*Adult Living

FINE ARTS

*Advanced Crafts
*Cartooning
*Ceramics
*Crafts
*Dramatic Criticism
*General Music
*Illustration
*Music Appreciation
*Oral Communications
*Printmaking
*Sculpture
Art
Drawing
Painting
Concert Choir
Mixed Choir
Treble Choir
Beginning Piano
Percussion Class
Symphonic Band
Theater
Wind Ensemble

FOREIGN LANGUAGE

Spanish I
Spanish II
CP Spanish III
Pre AP Spanish III
Latin I
Latin II
French I
French II
German I
German II

INDUSTRIAL EDUCATION

*Intro to Electricity
*Intro to Drafting
*Intro to Metals
*Intro to Programming in "C" w/ Robotics
*Intro to Welding
*Intro to Woods
*Metals 1
*Metals 2
Computer Drafting CAD
Machine Tool Technology
Woods

MATH

Geometry
Informal Geometry
Pre AP Geometry
Algebra II
Paced Algebra II
Pre AP Algebra II

PHYSICAL EDUCATION

*Health
Physical Education II (Drivers Education)
Athletic Physical Education

SCIENCE

Physical Science
Environmental Science
Biology I
CP Chemistry I
Pre AP Chemistry I

SOCIAL STUDIES

*Civics
*Current Events
World Geography
World History
CP World History

Note: *Semester Classes

Business Department Suggested Coherent Sequence of Course Offerings

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Business Today & Tomorrow: A Changing World Microsoft Applications Keyboarding Exploring Careers	Advanced Microsoft Applications Business Today & Tomorrow: A Changing World Computer Programming CP Accounting I Desktop Publishing Intro to Web Design Keyboarding Microsoft Applications Video Production Sports & Entertainment Marketing Fashion Marketing Exploring Careers	Advanced Microsoft Applications Advanced Video Production Business Today & Tomorrow: A Changing World Computer Applications Computer Programming Consumer Education CP Accounting I CP Accounting II Desktop Publishing Intro Web Design Keyboarding Microsoft Applications Networking Technology Video Production Sports & Entertainment Marketing Fashion Marketing Exploring Careers	Advanced Microsoft Applications Advanced Video Production Business Today & Tomorrow: A Changing World Computer Applications Computer Programming Consumer Education CP Accounting I CP Accounting II Desktop Publishing Intro Web Design Keyboarding Microsoft Applications Networking Technology Video Production Interrelated Coop Sports & Entertainment Marketing Fashion Marketing Exploring Careers

BUSINESS DEPARTMENT

COURSE TITLE: **Microsoft Applications** (Computer Concepts and Software Applications A-B107) **(1/2 Credit)**
(Required Course):

PREREQUISITE (S): **Keyboarding recommended at Middle School, Junior High or High School**

COURSE DESCRIPTION

This course is an orientation level course designed to familiarize the student with the computer and software programs typically used in education and business. The student will learn basic features in Microsoft Office programs in order to create and format professional documents.

COURSE TITLE: **Advanced Microsoft Applications** **(1/2 Credit)**

PREREQUISITE: **Passing grade in Microsoft Applications**

COURSE DESCRIPTION

This course offers students the opportunity to work with advanced features in Microsoft Word, PowerPoint and Excel. Students will work with Microsoft Word to perform advanced formatting, editing, and document processing. In PowerPoint students will create presentations with hyperlinks, automatic timings, sound files, and recorded narrations. In Excel students will learn to use advanced functions, graphing features, and formatting features.

COURSE TITLE: **Consumer Education** **(1/2 credit)**

PREREQUISITE: **None**

COURSE DESCRIPTION

This course is designed to help students become better consumers both now and in their future as adults. Topics covered include: The economy, technology products, consumer rights and responsibilities, careers, taxes, budgeting, banking, savings, investing, credit, transportation, housing, auto and home insurance, health and life insurance, services and the global economy. This course fulfills the consumer education requirement.

COURSE TITLE: **Desktop Publishing** **(1/2 Credit)**

PREREQUISITE: **Microsoft Applications**

COURSE DESCRIPTION

Students will learn to use Microsoft Publisher to create various types of documents for mass publication and distribution. This would include flyers, newsletters, brochures, business cards, calendars, programs, etc. Students will also be taught the fundamental principals of effective design and layout.

COURSE TITLE: Introduction to Web Page Design (1/2 Credit)
PREREQUISITE: Microsoft Applications



COURSE DESCRIPTION

Students will be taught web page design using Expression Web and Adobe Photoshop. This course will familiarize students with the basic language, materials, and business or personal applications of web development. Upon completion of this course students will be able to create and maintain a web page. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course.

COURSE TITLE: Keyboarding (1/2 Credit)
PREREQUISITE: None

COURSE DESCRIPTION

This course is designed to develop basic skills in keyboarding for use on the computer. All students are taught keyboarding on a computer using Microsoft Word and supported by the Micro-Type Pro Keyboarding tutorial program. The objective of the course is to teach students correct key-stroking, proper formatting of letters, memos, reports, and tables for school and/or personal use.

COURSE TITLE: Business Today and Tomorrow: A Changing World (1/2 Credit per semester)

PREREQUISITE: None

COURSE DESCRIPTION

In this introductory level course, students will be exposed to an orientation to business, marketing and management concepts. Areas of study include: Economic principles, types of businesses, organization and use of financial data, management theories, marketing strategies, production data, business and government in our global economy, small business management, technology for business decisions, careers in our global economy and business ethics.

Students will also look at their role as consumers in the American economy while expanding their knowledge into areas such as: Role of the consumers, personal finance, employment wage issues, taxes, marketing functions as it applies to sales, advertising, and business operations. This yearlong course fulfills the consumer education requirement for graduation.

COURSE TITLE: CP Accounting I (B301-B302) (1/2 Credit per semester)
PREREQUISITE (S): None

COURSE DESCRIPTION

The importance of accounting cannot be understated in our personal and business lives. It provides us with a systematic way of keeping track of expenses and income. Without accountants, businesses would not be able to operate efficiently. In this course, you will learn the basic principles and procedures of accounting and be able to apply them in actual business and personal situations. In addition to written work, computerized accounting will be emphasized at the end of each semester. Accounting is much more than debits and credits, income statements, and balance sheets. This course will prepare you to be successful at entry level accounting positions and also will provide you with the appropriate background and training to eventually pursue a career in accounting or other related business fields. Taking accounting will be a real asset to your future.

COURSE TITLE: CP Accounting II (B303-304) (1/2 Credit per semester)
PREREQUISITE (S): Accounting I

COURSE DESCRIPTION

This course is planned to help students develop a deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. It is the study of departmentalized accounting, financial analysis, accelerated depreciation methods, inventory valuation and previously learned principles as they apply to the more complicated types of business organizations: partnerships, corporations, branches, etc. These concepts are then applied to automate accounting systems using spreadsheets and dedicated accounting programs. Students will also become familiar with such specialized fields of accounting as cost accounting, automated payroll accounting, inventory planning and valuation, budgetary planning and control, and financial reporting for non-profit organizations.

COURSE TITLE: Video Production (1/2 Credit per semester)

PREREQUISITE: None

COURSE DESCRIPTION

This course will offer students the opportunity to work with high quality video editing equipment. Students will learn to write videoscripts, capture digital footage and perform numerous editing functions in order to produce professional quality videos. Students will produce numerous group and individual films throughout the year.

COURSE TITLE: Advanced Video Production (1/2 Credit per semester)

PREREQUISITE: Video Production

COURSE DESCRIPTION

Advanced course for students who have completed Video Productions. Students will be producing videos, which will be viewed by the student body. These will include documentaries, talk shows, game shows, promotional videos, etc. Coursework will increase both oral and written communication skills as well as public speaking skills. Students will develop their interpersonal relationship skills by working with peers and faculty throughout the school. Students will also learn to organize and record inventory data

COURSE TITLE: Fashion Marketing (1/2 Credit)

PREREQUISITE: None

COURSE DESCRIPTION

Fashion Marketing is a course developed to enhance the students' knowledge of the global fashion industry. The course is intended for students interested in the fields of fashion design, retailing, and visual merchandising. Students will explore concepts such as promotion, distribution, production, pricing, and technology.

COURSE TITLE: Exploring Careers (1/2 Credit)

PREREQUISITE: None

COURSE DESCRIPTION

Exploring Careers is a course designed for students who are interested in discovering careers that are exciting, challenging and rewarding to them. Students will be able to find careers that match their aptitudes and interests. Students learn about and utilize various web sites available to them as well learn about all of the postsecondary opportunities available to them, including college, technical school and the Armed Forces.

COURSE TITLE: Sports and Entertaining Marketing (1/2 Credit)

PREREQUISITE: None

COURSE DESCRIPTION

Sports and Entertainment Marketing is a course developed to enhance the student's knowledge of the sports and entertainment industries. Students will get a "real world" look on subject matter that is up to date and fun at the same time. Students will learn that marketing has a major effect on most purchase decisions so they will learn the power of influence on these buying decisions. The class will cover both major sports events and major entertainment events such as the World Series and concerts. Students will market a major event held at CHS as they learn about legal issues that surround sports and entertainment.

COURSE TITLE: Computer Programming (1/2 Credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course introduces students to basic computer programming utilizing The Alice system software provided by Carnegie Mellon University. Using 3D graphics and a drag and drop interface, the students will learn the basics of object-oriented programming developing 3D animations, movies and interactive games. Topics covered in this course include: scenarios and storyboards, built-in functions and expressions, simple control structures, event-driven programming concepts and using function and control statements.

AREA VOCATIONAL CENTER BUSINESS COURSES

COURSE TITLE: Computer Applications I (B347-348) (3 Credits)
PREREQUISITE (S): Microsoft Applications Strongly Recommended



COURSE DESCRIPTION

This course emphasizes the language, materials and business applications of web page design, graphic arts, and desktop publishing. This course will cover applications related to the use of databases, spreadsheets, photo manipulation, graphic editing, digital photography, desktop publishing, flash animations, and web page development and maintenance. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course.

COURSE TITLE: Networking Engineering Technology I (N314-315) (3 Credits)
PREREQUISITE (S): Keyboarding, Microsoft Applications - Strongly Recommended



COURSE DESCRIPTION

The course prepares individuals to apply skills needed to design, build and maintain computer networks. It includes instruction on network theory as well as hands-on network design and implementation. This course covers the OSI model, popular LAN technologies, popular WAN technologies, some switch configuration, and beginning router configuration. Students prepare for the Net Plus and CCNA exam at the completion of this course. Being a Cisco Academy, a total of 16 college credits may be earned from SWIC's dual credit program.

COOPERATIVE EDUCATION

Cooperative education is available to seniors who wish to receive on-the-job training in a field of their choice. Students attend school for a half-day and are employed for approximately 15 to 20 hours per week in business or industry. A teacher as well as the employer supervises the work. Students are paid a beginner's wage and receive 2 1/2 credits for the completed course. This course also meets the consumer education requirement for graduation. The course consists of the practical work experience and a one-hour class in school that is designed to help the student learn and progress on the job. Students are urged to take courses related to their field of interest prior and concurrently with cooperative education. Admission to the co-op program is by application.

COURSE TITLE: Interrelated Co-Op 1 & 2(X401-402) (2.5 Credits)
GRADE LEVEL (S): 12
PREREQUISITE (S): Application & Coordinator Approval

COURSE DESCRIPTION

This course is a capstone course designed to assist students in the development of effective employable skills and attitudes through practical, advanced instruction in school and on the job. Approximately half of the school day is spent taking classes at school and the other half in on-the-job training supervised by the designated training sponsor and coordinated by the teacher-coordinator. A training plan that identifies training to be provided is developed by the teacher-coordinator with the assistance of the training sponsor and the student trainee. Areas of instruction include personality development, economics, personal money management, communication skills, and small business management.

In the second semester of this course, the student continues to work on the job and attend class on a half-day basis. Employable skills and work habits are further developed and the class content consists of contracts, federal and state income tax returns, and the preparation for future employment. School attendance is required.

ENGLISH DEPARTMENT

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Pre AP Literature/Composition I CP Literature/Composition I Literature/Composition I	Pre AP Literature/Composition II CP Literature/Composition II Literature/Composition II Contemporary Fiction Mythology	AP Language III CP Literature/Composition III Literature/Composition III Journalism Contemporary Fiction Mythology	AP Literature IV CP Literature/Composition IV CP Literature/Composition IV DC Literature/Composition IV Journalism Contemporary Fiction Mythology Science Fiction & Society

COURSE TITLE **Pre AP Literature/Composition I** **(1/2 credit per semester)**
RECOMMENDED **Teacher recommendation, GPA, and/or**
PREREQUISITE (S): **standardized test scores**

COURSE DESCRIPTION



This course is designed for the exceptionally talented freshman English student who intends to enroll in the AP English program at the junior/senior levels. This rigorous course provides a comprehensive composition-based and grammar enhanced program designed to improve students' writing skills. Research skills will be introduced and expanded to include AP requirements. This course includes a study of the various genres: short stories, poetry, plays, essays and novels. Outside reading will be required throughout the school year. One of the central goals of this course is to teach students to think critically and to write and speak about literature effectively. Students will write a 3-page research paper following the MLA format. Students will be required to complete a literary portfolio each semester.

COURSE TITLE: **CP Literature/Composition I** **(1/2 credit per semester)**
RECOMMENDED
PREREQUISITE (S): **Strong interest in pursuing a college education**

COURSE DESCRIPTION



This course is designed for the college-bound freshman. The course provides a comprehensive composition-based program designed to improve students' writing skills. The course includes a study of the various genres: short stories, poetry, plays, essays and novels. One of the central goals of this course is to teach students to think critically and to write and speak about literature effectively. Research skills will be introduced as a component of this program.

COURSE TITLE: **Literature/Composition I** **(1/2 credit per semester)**
PREREQUISITE (S): **None**

COURSE DESCRIPTION



The student in this course is provided a review of grammar and taught the basic communication skills of reading, writing, listening and speaking. A variety of reading resources is offered to develop the student into a mature reader and critical thinker. The purpose of this course is to provide the student with the background necessary to interpret various types of literature.

COURSE TITLE: Pre AP Literature/Composition II (1/2 credit per semester)
PREREQUISITE (S): Teacher recommendation, GPA, and/or standardized test scores

COURSE DESCRIPTION 

Summer reading is required. The course introduces students to critical analysis with careful attention to language, grammar and usage. This course will be writing intensive and will require weekly writing assignments to be completed. This course reinforces the reading, oral communication, composition, vocabulary and research skills taught in the freshman year while introducing more advanced skills in these same areas. Oral communication focuses on public speaking skills and effective large and small group discussion skills. Students sharpen their research skills that culminate in a 3-5 page research paper following the MLA format. Students will give a 3-5 minute speech. Outside reading during the school year is required.

COURSE TITLE: CP Literature/Composition II (1/2 credit per semester)
RECOMMENDED PREREQUISITE (S): Strong interest in pursuing a college education

COURSE DESCRIPTION 

This writing intensive course is designed for the sophomore who plans to attend college. The curriculum includes a survey of various literary genres with a thematic approach, a review of grammar usage, the study of vocabulary in context and further development of composition techniques. The course will focus on written as well as oral communication.

COURSE TITLE: Literature/Composition II (1/2 credit per semester)
PREREQUISITE (S): None

COURSE DESCRIPTION 

This writing intensive course includes a curriculum surveying various literary genres with a thematic approach, a review of grammar and usage, the study of vocabulary in context and further development of composition techniques. The course will focus on written as well as oral communication.

COURSE TITLE: AP Language III (1/2 credit per semester)
PREREQUISITE (S): Teacher recommendation, GPA, and/or standardized test scores

COURSE DESCRIPTION 

Summer reading is required. Students in this college-level course will have previously demonstrated strong writing and analytical skills. Students will read and carefully analyze a broad and challenging range of prose selections, and develop their awareness of how language works. Through close reading and frequent writing, students will develop their ability to work with language and text with a greater awareness of purpose and strategy, while strengthening their own composing abilities. The reading assignments feature expository, analytical, and argumentative essays from a variety of authors and historical contexts. Oral communication skills will be taught as they pertain to public speaking and small group discussion. Students are prepared to take the Advanced Placement examination to earn college credit. Students will write a 4 -5 page paper following the MLA format.

COURSE TITLE: CP Literature/Composition III (1/2 credit per semester)

RECOMMENDED

PREREQUISITE (S): Strong interest in pursuing a college education

COURSE DESCRIPTION



This course is designed for the junior interested in attending college. Students will study American literature as well as take part in a writing intensive course. Writing assignments will be an integral part of the course's content over a span of the course. As part of the writing process, students will receive information from the evaluation of their written products that will permit them to improve their writing skills in terms of correct usage; well-organized composition; communication of ideas for a variety of purposes; and locating, organizing, evaluating and using information. Students will be involved in intense preparation for the PSAE test required by the State of Illinois which includes the ACT. Reading and writing strategies will be taught in anticipation of this test in the spring semester. Students apply the writing process and research process in the writing of a persuasive paper following the MLA format using 4-5 researched sources.

COURSE TITLE: Literature/Composition III (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION



Students will study American literature as well as take part in a writing intensive course. Writing assignments will be an integral part of the course's content over the span of this course. As part of the writing process, students will receive information from the evaluation of their written products that will permit them to improve their writing skills in terms of correct usage; well-organized compositions; communication of ideas for a variety of purposes; and locating, organizing, evaluating, and using information. Students will be involved in intense preparation for the PSAE test required by the State of Illinois which includes the ACT. Reading and writing strategies will be taught in anticipation of this test in the spring semester. Students apply the writing process and research process to produce some final products such as a speech, a slide show presentation, a video or an MLA paper.

COURSE TITLE: AP Literature IV (1/2 Credit per semester)

PREREQUISITE(S): Teacher recommendation, GPA and/or standardized test scores

COURSE DESCRIPTION



This is a college-level course designed to prepare students not only for the AP exam but also the rigorous academic challenges of college. Students will engage in the purposeful and thoughtful reading of various genres of English literature from the 16th through 21st centuries, with goals of understanding, interpreting and evaluating each work. Students should be prepared to read and write extensively in this class. Summer reading is required.

COURSE TITLE: CP Literature/Composition IV - DC (1/2 Credit per semester)

PREREQUISITE(S): C Average or better in previous English courses passing COMPASS test in reading and writing.

COURSE DESCRIPTION



This course is designed to help students write papers for a variety of general and specific audiences. Students will learn to recognize features that make writing effective, and learn different strategies writers use while pre-writing, drafting, revising, and editing. Students will learn to read their own work more critically and to constructively criticize the work of others. The course also provides a brief introduction to the writing of source-supported papers and methods of documenting sources. This course focuses on the processes of academic inquiry and sources supported writing, while continuing to practice prewriting, drafting, revising, and editing strategies. Students will gain experience using a variety of research methods including interview, observation, survey, library archives and electronic databases, and other written/visual/aural texts or artifacts. Students will use reflection to critically analyze and evaluate information and ideas from a variety of sources, and use such sources effectively in their own writing.

COURSE TITLE: CP Literature/Composition IV (1/2 credit per semester)

RECOMMENDED

PREREQUISITE (S): Strong interest in pursuing a college education

COURSE DESCRIPTION



This course is designed for seniors who plan to attend college. This curriculum includes a thematic approach to world literature as well as being a writing intensive course. Students will learn to write papers for a variety of general and specific audiences. They will learn to recognize features that make writing effective and learn different strategies writers use while pre-writing, drafting, revising and editing. This course will also provide a review of writing of source-supported papers following the MLA format. Outside reading and writing will be required as well as the use of oral communication skills.

COURSE TITLE: Literature/Composition IV (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION



A variety of world literature will be studied and used thematically in this writing intensive course. Students will learn to write papers for a variety of audiences. They will learn writing strategies for pre-writing, drafting, revising and editing. The course will also provide a brief review of source-supported materials in MLA format. Outside reading will be required.

COURSE TITLE: Journalism (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION



This course is designed to introduce students to all facets of the journalist's craft. Among the areas covered are: interviewing, feature writing, news stories, layout design, advertising, journalistic ethics, law, professional standards, copy editing and headline writing. Students will learn the responsibility of the media, libel, and laws pertaining to journalism. Students will also evaluate and analyze journalistic writing through discussions and critiques. All students will be required to write articles that may appear in the school newspaper, *The Kahoki*

COURSE TITLE: Contemporary Fiction (1/2 Credit)

PREREQUISITE (S): Literature/Composition I

COURSE DESCRIPTION

The study of contemporary fiction is designed for students who enjoy reading. A minimum of five novels from the past decade will be examined, encouraging an open discussion of topics affecting young adult lives today. To enhance comprehension and discussion, students will also be required to research current events relevant to the novels being read.

COURSE TITLE: Science Fiction & Society (1/2 Credit)

PREREQUISITE (S): Literature/Composition I, II, and III (or current enrollment in III)

COURSE DESCRIPTION

The Science Fiction literature class is designed for students who wish to see the role literature plays in shaping our society and warning us of the dangers of technology and absolutism. The course will incorporate writing and discussion about issues revealed in at least three selected novels as well as various short stories and articles throughout the semester.

COURSE TITLE: Mythology (1/2 Credit)

PREREQUISITE (S): Literature/Composition I

COURSE DESCRIPTION

This course will offer a survey of major characters and stories of Greek and Roman classical mythology along with other world myths. Students will produce their own written "myth" as a way of demonstrating their knowledge of the format and purpose of the myth. We will examine the mythological allusions in literature, art and other areas as well as modern urban mythology.

COURSE TITLE: Intro to Health Occupations (J102) (1/2 Credit)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course provides a core of knowledge related to occupations in the health field. Observation of occupational related activities and hands-on experiences are an integral part of this course. Content includes the history of health and medical events, illness, wellness, nutrition, body systems, common diseases, safety standards, life stages, and medical terminology.

COURSE TITLE: Intro to Criminal Justice (L201) (1/2 credit)

PREQUISITE (S): None

COURSE DESCRIPTION

This is an introductory semester course designed for students interested in a career within the field of criminal justice. This course presents an overview of the careers and complexities within the field of criminal justice. Our criminal justice process has evolved slowly, and has been influenced by many social and political factors. This course provides an understanding of contemporary policing: its history and traditions, and the laws under which it operates. Oral and written communication is stressed throughout this course, in an effort to help students develop the skills needed to successfully complete a degree in Administration of Justice.

COURSE TITLE: Medical Terminology (1/2 credit)

PREQUISITE (S): None



COURSE DESCRIPTION

Knowledge of medical terminology is an integral part of a health science career, providing an in-depth study of medical language as it relates to the structure and function of the human body in health and disease. The course is a core component for students who are pursuing a career as a physician, nurse, pharmacist or most other allied health occupations. The language of medicine is unique, consisting of roots, prefixes, suffixes and abbreviations that are necessary for clear and concise communication in today's health care community. This is a SWIC dual credit course.

AREA VOCATIONAL CENTER PROGRAMS

COURSE TITLE: Child and Day Care Services I (H349-350) (3 Credits)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course is designed to provide students interested in a career in child and day care operations with information and practical experiences needed for the development of job-related competencies. Students will be provided laboratory experiences on a weekly basis that will involve actual working with children in a preschool environment. Emphasis will be placed on child development, human relations, communication skills, and career opportunities. Students will be responsible for planning developmentally appropriate materials for the classroom. State and local regulations governing care centers are introduced as well as abuse, signs of neglect and prevention.

COURSE TITLE: Child and Day Care Services II (H351-352) (3 Credits)

PREREQUISITE (S): Child and Day Care Services I



COURSE DESCRIPTION

This course is designed to train students as childcare providers. This course will involve studies in the total development of the child individually and in-groups. Students will develop teaching skills by working directly with children and their parents. They will have the opportunity to stay in the preschool or gain hands on experience at an area elementary school student teaching during the class period. Students will visit various childcare programs. Students will study nutrition and meal preparation, behavior management, the exceptional child and childcare employment opportunities, as well as laws and regulations governing the operations of a care center. Students will gain management and supervisory skills while assisting in the planning and operations of the childcare center. This is a preparatory course for students who may be interested in the elementary teaching fields, social work, or other childcare or service oriented occupations. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course. Students will have the opportunity to earn CPR certification while enrolled in the program.

COURSE TITLE: Criminal Justice I (L320-321) (3 Credits)

PREREQUISITE (S): None



COURSE DESCRIPTION

This course is an introductory course that prepares students to enter the field of law enforcement in any related area. The study includes the criminal justice system and its major components. This course will also examine the history, current status, and trends in the police field operations, as well as current practices in the administration of justice in a democratic society. A critical review of research on police effectiveness, deployment of personnel and delivery of services is accomplished. Police integrity standards and hard choice issues concerning police discretion, legality, and morality in police methods are discussed. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course.

COURSE TITLE: Criminal Justice II (L323-324) (3 Credits)

PREREQUISITE (S): Criminal Justice I



COURSE DESCRIPTION

Students will be exposed to the changing American law enforcement and the ever-changing society. Students will view a variety of law enforcement areas and society concerns from these two perspectives and the overall change from traditional policing to community policing. Students will be provided an opportunity to participate in an internship for the purpose of career exploration in the criminal justice system. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course.

COURSE TITLE: Clinical Health Occupations I (J305-306) (3 Credits)

PREREQUISITE (S): None



COURSE DESCRIPTION

This course introduces students to skills, knowledge, and attitudes required of a health care worker. Included in this course are basic nursing assistant theory, laboratory practices, medical terminology, and basic anatomy and physiology. Hands on experiences will include skills such as maintaining a safe environment, bed making, patient bathing, vital signs, and communication. A clinical practice requirement at a local nursing home is included. This course is approved by the Illinois Department of Public Health as a Certified Nursing Assistant Training Program. Students qualified may take the Certification test for nurse assisting at the end of the school year. A student organization, HOSA, is an integral part of the program. Students who wish to may attend the annual HOSA convention where they enter competitive events. Career opportunities and employability skills are included in the program. Students will have the opportunity to earn CPR certification while enrolled in the program. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course. Dual credit from Southwestern Illinois College is earned (6 credits) for nursing assisting, and 1 additional credit may be earned for medical terminology.

COURSE TITLE: Emergency Health Occupations I (J307-308) (3 Credits)

PREREQUISITE (S): None



COURSE DESCRIPTION

This course introduces students to an extensive study of anatomy, physiology, and medical terminology. Also included is the study of First Responder/First Aid skills. Students qualified may take the First Responder Exam at the end of the school year. This course is approved by the Illinois Department of Public Health as a First Responder training program. Clinical field trips will include job shadowing in selected careers and visits to area emergency response facilities. Membership in the student organization, HOSA, is an integral part of the program. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course. Dual credits earned from Southwestern Illinois College total 3 for medical terminology and 5 for First Responder.

COURSE TITLE: Food Services I (H324-325) (3 Credits)

PREREQUISITE (S): None



COURSE DESCRIPTION

This course is designed to provide students interested in a career in food service with the information and practical experiences needed for the development of food service job-related competencies. The students receive laboratory experiences using commercial food service equipment, planning meals, and serving food. Safety and sanitation are emphasized. Students receive the necessary experiences and information to prepare them for the department of Public Health sanitation examination. Training experiences involve equipment and facilities that simulate in all types of food service work by the actual operation of a restaurant in areas of fry cook, wait person, cashier, and quantity food preparation. Information regarding career opportunities in the food service industry is included. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course.

COURSE TITLE: Food Services II (H326-327) (3 Credits)

PREREQUISITE (S): Food Services I

COURSE DESCRIPTION

This course provides advanced training in food service production and service. Information and experience is provided in management skills and personnel management. Additional information about career opportunities in the food service industry is provided. Training experiences involve equipment and facilities that simulate those found in business and industry. Students undertake the management responsibilities of kitchen supervisor, dining room supervisor, storeroom supervisor, menu planner, buyer, and head chef.

COURSE TITLE: Horticulture I (A306-307) (3 Credits)

PREREQUISITE (S): None



COURSE DESCRIPTION

This course concentrates on growing greenhouse crops, producing nursery crops, designing floral arrangements, management of flower shop, and operating a garden center, the design, establishment, and maintenance of landscape plantings and turf grass. Units of study include installation and maintenance of landscape plantings and turf grass, with emphasis on the business aspects of landscaping and turf management. The environment and extended time frame enables students to receive in-depth training in the establishment and maintenance of horticultural materials. Two greenhouses and a flower cooler, enable students to gain skills in floral design and plant production. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course.

COURSE TITLE: Horticulture II (A310-311) (3 Credits)

PREREQUISITE (S): Horticulture I

COURSE DESCRIPTION

This course is designed to introduce students to various careers in the ornamental horticulture industry. The concentration of study is on those aspects of the careers that are needed for entry-level employment. Areas of study include advanced floral arrangements, describing and identifying plants, plant pests and their control, landscape design, installing and maintaining landscape plants, the nursery industry, and beginning and promoting an ornamental horticulture business. Concentration of study is oriented to "hands-on" classroom experience in the specific ornamental horticulture field or fields of the student's choice. Areas of study include: floral designs, greenhouse management, retail horticulture business, nursery management, landscape design, and turf grass management.

Fine Arts

Suggested Coherent Sequence of Course Offerings

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Band	Band	Band	Band
Treble Choir	Concert Choir	Mixed Choir	Mixed Choir
Concert Choir	Treble Choir	Concert Choir	Concert Choir
Mixed Choir	Mixed Choir	Music Appreciation	Music Appreciation
Beginning Piano	Music Appreciation	Beginning Piano	Beginning Piano
General Music	Beginning Piano	General Music	General Music
Art	General Music	Art	Art
Crafts	Art	Crafts	Crafts
Ceramics	Crafts	Ceramics	Ceramics
Printmaking	Ceramics	Printmaking	Printmaking
Sculpture	Printmaking	Sculpture	Sculpture
Cartoon/Illustration	Sculpture	Cartoon/Illustration	Cartoon/Illustration
Advanced Crafts	Cartoon/Illustration	Advanced Crafts	Advanced Crafts
	Advanced Crafts	Drawing	Drawing
	Drawing	Painting	Painting
	Painting	Photography	Photography
	Theater	AP Art Studio	AP Art Studio
	Oral Communication	Theater	Theater
		Dramatic Criticism	AP Music Theory
		Oral Communication	Dramatic Criticism
			Oral Communication

FINE ARTS DEPARTMENT

COURSE TITLE: Theater (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course is designed to acquaint the students with all facets of theater. The student will be exposed to technical theater as well as dramatics and contemporary plays. The course study will be broken down into the following phases: 50% acting technique, 40% technical theater, business practices, stagecraft, lighting, makeup, terminology, and philosophy of tryouts and casting, and 10% on history of theater. Students will do a series of written assignments including Character Analysis, Short Research Paper, and Play Analysis. In the second semester class work will be divided in two halves: oral interpretation and acting. Each student will have the opportunity to analyze character and theme through the five forms of drama.

COURSE TITLE: Band (Wind Ensemble, Symphonic Band, Percussion Class) (1/2 credit per semester)

PREREQUISITE (S): Prior experience on a wind or percussion instrument. Audition for placement.

COURSE DESCRIPTION

Band is an academic class designed primarily to develop the students of the role of art and music in their lives through the preparation and performance of outstanding wind band literature. The class is devoted to the growth and maturation of the individual's aesthetic potential. The ultimate goal is to provide every participant with musical experiences that will contribute to the development of the understanding necessary to become intelligent, discriminating, consumers of art and music following graduation. At the same time, materials are chosen to insure the development of the technique and musical knowledge necessary for those who may choose to pursue a career in music and the arts.

Wind players who elect to enroll in band will be assigned to either *Wind Ensemble* or *Symphonic Band*. Placement will be based on ability and will be determined by the staff. All percussion students will be placed in the *Percussion Class*. Required activities include concerts and contests. Optional activities include Marching Band, Jazz Band, Lab Band, Flute Choir and Pep Band. For more information see the Band Handbook available in the band office.

COURSE TITLE: AP Music Theory (1/2 credit per semester)
PREREQUISITES: Band or Choir/Approval of Instructor

COURSE DESCRIPTION

Music Theory and Analysis is a course intended for high school twelfth grade students who intend to major or minor in music at the college or university level following their graduation from high school. The course is designed to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that heard or presented in a musical composition.

COURSE TITLE: Music Appreciation (1/2 credit)
PREREQUISITE (S): None



COURSE DESCRIPTION

This course presents a survey of western classical music from the Middle Ages to the present. In addition to learning musical elements and orchestral instruments, students will be introduced to the compositions of the master composers and stylistic characteristics of the various musical eras. A writing component such as a concert report or research paper is required. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course.

COURSE TITLE: Concert Choir (1/2 credit per semester)
PREREQUISITE (S): Audition

COURSE DESCRIPTION

Concert Choir is offered to vocal students who are serious about music. Students have ample opportunities for individual advancement as well as development of group skills. Concert Choir members audition for IMEA All-State and District Choirs, compete as a madrigal choir, choir, ensembles and solos, perform at community events, and present concerts. Fund-raising efforts offset uniform expenses and provide travel opportunities also. Students assume the responsibility for all chorus activities when registering for this class. Emphasis is on sight-reading, general music knowledge and skills, appreciation of music, and performance techniques.

COURSE TITLE: Treble Choir (1/2 credit per semester)
PREREQUISITE (S): None

COURSE DESCRIPTION

Treble Choir is offered only for freshman and sophomore women interested in singing. This choir performs various styles of music. Treble Choir members have opportunities to do solo and ensemble work as well. The choir performs at all the choral concerts in addition to local competitions and community events. Members learn the basics of reading music and some music appreciation beside proper vocal technique.

COURSE TITLE: Mixed Choir (1/2 credit per semester)
PREREQUISITE (S): None

COURSE DESCRIPTION

Mixed Choir is offered as an introduction to basic choral singing and an alternative to Concert Choir, which is available by audition only. The casual vocal student would find this course enjoyable as well as educational. This choir performs various styles of music in a wide range of ability levels. Mixed Choir members have opportunities to do solo and ensemble work as well. The choir performs at all the choral concerts in addition to local competitions and community events. Members learn the basics of reading music and some music appreciation beside proper vocal technique. All boys and junior and senior girls are encouraged to enroll.

COURSE TITLE: General Music (1/2 credit)
PREREQUISITE (S): None

COURSE DESCRIPTION

Students may appreciate an elective course in a subject many would enjoy investigating. Aspects of music taught are: The elements of music (basic note-reading and terminology), history of western music, styles of music and American music, and composers and careers in music. Technology would be used throughout the class. Some topics addressed are basic note-reading skills, go on an internet scavenger hunt for the elements of music, pick a composer from each period of western music history and compare their music styles, as well as styles of fashion, architecture, and food of their day. Students bring in some of their favorite recordings and defend their appreciation of the music using appropriate musical terms. Students research careers in music and present their findings to the class.

COURSE TITLE: Beginning Piano (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

Students who would like to learn to play the piano will have the opportunity to learn in a state of the art piano lab. Students will learn music notation, ear training and navigation of the piano keyboard.

COURSE TITLE: Ceramics (1/2 credit)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course will be primarily concerned with hand built process and pottery wheel techniques. The development of projects that incorporate design methods and procedures will be emphasized. A written report on art history and tests are required. Students may be expected to furnish or purchase a portion of materials for some assignments.

COURSE TITLE: Crafts (1/2 Credit)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course offers the student the opportunity to explore materials, tools and processes with crafts projects. Concepts related to craftsmanship will be taught as the student develops a greater understanding of the art elements of line, color, form and texture. Students will be expected to make several well-designed projects and will be encouraged to make more extensive projects through their own creativity after basic requirements are fulfilled. Students may be expected to furnish or purchase a portion of materials for their work

COURSE TITLE: Advanced Crafts (1/2 Credit)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course will provide the students an opportunity to further explore materials, tools, and processes with more enriched/advanced craft projects. Students will be expected to make more complex designed projects that fulfill creative requirements and emphasize good craftsmanship. Students may be expected to furnish or purchase a portion of materials for their work.

COURSE TITLE: Photography (1/2 Credit)

PREREQUISITE (S): None

COURSE DESCRIPTION

Students will be able to learn the process of developing film and printing their own black and white photographs. Students will be expected to gain a working knowledge of the 35mm camera and to demonstrate an understanding of the principles of design in their photocompositions. Written reports and tests are required. Some 35mm cameras may be checked out through the Art Department. Students will be responsible for full replacement of any lost or damaged equipment. There is a \$45.00 material fee for this class to be paid at the beginning of the semester.

COURSE TITLE: Art (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course introduces various two dimensional media. Basic design skills will be introduced and employed when using line, color, shape, texture and form to complete projects. Written reports on art history and a test are required each quarter. Students may be expected to furnish or purchase a portion of the materials for some projects. The second semester emphasizes three dimensional media and projects. Basic design skills will be employed when executing both two and three-dimensional projects. Written reports on art history and a test are required each quarter. Students may be expected to furnish or purchase a portion of the materials for some projects.

COURSE TITLE: Drawing (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course includes the basic methods of developing the illusion of three-dimensional forms on a two-dimensional surface through the use of line and value. Organization of the picture plane will be emphasized using the principles of design. The student will be expected to render well-composed drawings in correct proportions. A variety of media will be used such as pencil, markers, and ink. In the second semester students will be required to determine and then use the drawing medium, which is most appropriate to express the problem presented. They will also become more involved in the development of specialized skills and techniques used to render the illusion of form on a two-dimensional surface. Students may be expected to furnish or purchase a portion of materials for some assignments.

COURSE TITLE: Painting (1/2 credit per semester)
PREREQUISITE (S): None

COURSE DESCRIPTION

This is an introductory course to painting terms and techniques. A brief review of drawing techniques will be followed by the introduction to various painting techniques. These techniques will be utilized on still life, figurative, and landscape painting assignments. Students will work in watercolor and acrylic media. The influence of famous works by selected artists and their painting styles will be explored. Students may be expected to finish or purchase a portion of necessary materials for some assignments.

COURSE TITLE: Sculpture (1/2 credit)
PREREQUISITE (S): None

COURSE DESCRIPTION

This course will be primarily focused on the construction of three dimensional projects. Students will be working on relief to free form sculpture, while a variety of medias are explored. Written reports and tests are required. Students may be expected to furnish or purchase a portion of materials for some projects.

COURSE TITLE: AP Art Studio (1/2 credit per semester)
PREREQUISITE (S): Junior or Senior. The student must have taken art, drawing or painting, or have the consent of the instructor.

COURSE DESCRIPTION

Art studio is intended for the serious art students that would like to develop their creativity and portfolios. In this class the students will be able to develop a body of work with their own theme as well as improve on technique with a variety of materials. Students may be expected to furnish or purchase a portion of materials for some assignments.

COURSE TITLE: Cartooning (1/2 credit)
PREREQUISITE (S): None

COURSE DESCRIPTION

This class is for students that are interested in learning the basics of cartooning. In this class students will learn about perspective, human form, proportions and expressions. The students will learn how to incorporate these techniques into various styles of cartooning. Students may be expected to furnish or purchase a portion of materials for some assignments.

COURSE TITLE: Illustration (1/2 credit)
PREREQUISITE (S): Cartooning

COURSE DESCRIPTION

This class expands on the concepts learned in the cartooning class. The students will work with plot and character development to create illustrated stories in a variety of forms. The students will also work with Adobe Photoshop and Flash animation during the course. Students may be expected to furnish or purchase a portion of materials for some assignments.

COURSE TITLE: Printmaking (1/2 credit)
PREREQUISITE (S): None

COURSE DESCRIPTION

This course will provide students an opportunity to explore and develop various two dimensional printing techniques and processes. Basic design skills will be developed and exhibited. Concepts related to craftsmanship will be taught and emphasized. Students will be expected to make well designed projects and they will be encouraged to make more extensive projects through their own creativity with basic requirements being fulfilled. Written reports and tests are required. Students may need to furnish or purchase a portion of materials for their work.

COURSE TITLE: Dramatic Criticism (1/2 Credit)
PREREQUISITE (S): None

COURSE DESCRIPTION

This course presents an in-depth analysis of films and how they shape our values. The basic principles of how movies communicate and the complex network of language systems they use will teach the student to view film critically. The course will cover cinematography, scene, movement, editing, sound, acting, drama, story, literature, and ideology. Students will be required to write papers concerning the topics listed above.

COURSE TITLE: Oral Communication

(1/2 Credit)

PREREQUISITE (S): None

COURSE DESCRIPTION

Students will learn to select topics, gather information that supports the topic, organize the introduction, body and conclusion of the speech and prepare an outline. When presenting the speech, students will concentrate on language, delivery, and the use of visual aids. The first quarter covers interviewing a classmate and three informative speeches emphasizing objects, processes (demonstration), and events. The second quarter speeches include an informative speech, a persuasive speech, special occasion speech, and small group discussion

FOREIGN LANGUAGE DEPARTMENT

COURSE TITLE:	French I	(1/2 credit per semester)
PREREQUISITE (S):	None	

COURSE DESCRIPTION



This course provides a beginning comprehensive study of grammar elements, vocabulary and composition and speaking skills in French. The language is taught through listening, speaking, reading and writing. Culture is studied through written, oral and computer exercises so that students can learn the value system and behavior patterns of the French-speaking people throughout the world.

COURSE TITLE: French II **(1/2 credit per semester)**
PREREQUISITE (S): French I

COURSE DESCRIPTION



In this course there is more study of the structure of the language and more vocabulary building. The language is taught through listening, speaking, reading and writing. Activities focus on meaningful personal communication. Students continue learning the culture, and become increasingly aware of the similarities and differences among cultures and people and enjoy the diversity and uniqueness of both.

COURSE TITLE: CP French III **(1/2 credit per semester)**
PREREQUISITE (S): French II

COURSE DESCRIPTION



The College Prep course in French is an advanced class intended for those who have chosen to continue their proficiency in all four language skills: listening, speaking, reading and writing.

COURSE TITLE: CP French IV **(1/2 credit per semester)**
PREREQUISITE (S): CP French III

COURSE DESCRIPTION



The College Prep course in French language is intended for those who have chosen to continue developing their proficiency in all four language skills: listening, speaking, reading and writing.

COURSE TITLE: German I **(1/2 credit per semester)**
PREREQUISITE (S): None

COURSE DESCRIPTION



Students communicate practicing basic conversational topics; make introductions, give compliments, talk about places of origin, describe living quarters, express interests, opinions, courtesy, familiarity, good wishes, tell good and bad news, make plans, order food, ask for and give directions, write and respond to invitations, offer help, and use the telephone in Germany. Students also learn rudimentary vocabulary; das Alphabet, classroom objects, numbers 0-100, telling time, transportation to school and class schedules, prices and shopping, quantities, weather expressions, food and drink. The study of grammar includes; subject pronouns, word order, forming questions, present tense of the verbs, stem-changing verbs, definite and indefinite articles, direct object pronouns, accusative articles and pronouns, possessive adjectives, plural of nouns, separable prefix verbs, giving commands, conjunctions.

COURSE TITLE: German II **(1/2 credit per semester)**
PREREQUISITE (S): German I

COURSE DESCRIPTION



The course will begin with a review of the concepts of German 1 and 2. Additionally, students will communicate practicing intermediate conversational topics; ask for and give information about yourself and others, respond emphatically, agree with reservations, describe yourself to others, express emotions, describe people, give and respond to compliments, as well as other topics. Students will also learn intermediate vocabulary; people and places, food and drink, sports, activities, school subjects, clothing, and write letters.

COURSE TITLE: CP German III (1/2 credit per semester)
PREREQUISITE (S): German II

COURSE DESCRIPTION 

The College Prep course in German is an advanced class intended for those who have chosen to continue their proficiency in all four language skills: listening, speaking, reading and writing.

COURSE TITLE: CP German IV (1/2 credit per semester)
PREREQUISITE: German III

COURSE DESCRIPTION 

The College Prep course in German is an advanced class intended for those who have chosen to continue their proficiency in all four language skills: listening, speaking, reading and writing.

COURSE TITLE: Latin I (1/2 credit per semester)
PREREQUISITE (S): None

COURSE DESCRIPTION 

This course presents Latin as a basic language that is helpful toward a better understanding of the English language and a foundation for the study of grammar elements, vocabulary, translation skills, and composition skills through stories related to ancient civilization, Roman History, Latin Literature, and mythology. Interpretation of popular Latin mottoes, expressions, and phrases found in English are a part of this course.

COURSE TITLE: Latin II (1/2 credit per semester)
PREREQUISITE (S): Latin I

COURSE DESCRIPTION 

This course emphasizes continued grammar and vocabulary learning. The presence of words and phrases of Latin origin in English are further developed. Mythology, history, and life of both the Romans and Greeks are explored further. Literature of classical authors such as Livy, Caesar, and Pliny is included.

COURSE TITLE: CP Latin III (1/2 credit per semester)
PREREQUISITE (S): Latin II

COURSE DESCRIPTION 

The College Prep course in Latin is an advanced class intended for those who have chosen to continue their proficiency in reading and writing the Latin language. This course is mainly Latin prose. Cicero, a Roman orator and statesman, is studied with emphasis on his oratory. A deeper historical and political view of Rome, 1st Century BC, is studied.

COURSE TITLE: Pre AP Latin III (1/2 credit per semester)
PREREQUISITE (S): Latin II

COURSE DESCRIPTION 

The Pre-AP course in Latin is an advanced class intended for those who have chosen to continue their proficiency in reading and writing the Latin language as well as skills in translation and literary analysis. This course is mainly Latin prose. Cicero, a Roman orator and statesman, is studied with emphasis on his oratory. A deeper historical and political view of Rome, 1st Century BC, is studied.

COURSE TITLE: CP Latin IV (1/2 credit per semester)
PREREQUISITE (S): CP Latin III

COURSE DESCRIPTION 

The College Prep course in Latin is intended for those who have chosen to continue developing their proficiency in reading and writing the Latin language skills. The course is mainly Latin poetry. Vergil's *Aeneid* is studied with emphasis on poetic forms and devices. A more thorough study of the mythology of the Greeks and Romans is included.

COURSE TITLE: AP Latin IV- Vergil (1/2 credit per semester)
PREREQUISITE (S): A or B in CP or Pre AP Latin III

COURSE DESCRIPTION 

The AP course in Latin is intended for those who have chosen to develop and enhance their skills and proficiency in reading, translating, and writing the Latin language. The course is mainly Latin poetry. Vergil's *Aeneid*, is studied with emphasis on poetic forms and devices. A more thorough study of the mythology of the Greeks and Romans is included.

COURSE TITLE: Spanish I (1/2 credit per semester)
PREREQUISITE (S): None

COURSE DESCRIPTION 

Elementary Spanish is a proficiency-oriented program, interrelating culture, grammar and vocabulary. Students learn to speak, read, write and comprehend Spanish in an authentic manner using the present and preterit tenses with correct gender, person and number agreement of verbs, noun, pronouns and adjectives.

COURSE TITLE: Spanish II (1/2 credit per semester)
PREREQUISITE (S): Spanish I

COURSE DESCRIPTION 

Intermediate Spanish presents clear and comprehensive explanation of grammar functions and vocabulary guiding students to comprehend and use them in speaking, reading, and writing. Culture, grammar and vocabulary are interrelated enabling students to become capable of creative self-expression using all the Indicative tenses.

COURSE TITLE: CP Spanish III (1/2 credit per semester)
PREREQUISITE (S): Spanish II

COURSE DESCRIPTION 

The CP course in Spanish is an advanced class intended for those who have chosen to continue their proficiency in all four language skills: listening, speaking, reading and writing.

COURSE TITLE: CP Spanish IV (1/2 credit per semester)
PREREQUISITE (S): CP Spanish III

COURSE DESCRIPTION 

The CP course in Spanish Language and Composition is intended for those who have chosen to develop their proficiency in all four language skills: listening, speaking, reading and writing.

COURSE TITLE: AP Spanish IV Language and Composition (1/2 credit per semester)
PREREQUISITE (S): A or B in CP Spanish III

COURSE DESCRIPTION 

The AP course in Spanish Language and Composition is intended for those who have chosen to develop their proficiency in all four language skills: listening, speaking, reading and writing.

COURSE TITLE: AP Spanish V-Lit. and Composition (1/2 credit per semester)
PREREQUISITE (S): A or B in AP Spanish IV

COURSE DESCRIPTION 

The AP program in Spanish Literature and Composition is intended to be the equivalent of a third-year college course-Introduction to Hispanic Literature. The course will cover selected works from the literatures of Spain and Spanish America.

COURSE TITLE: Introduction to Woodworking (C102) (1/2 Credit)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course is designed to give students an understanding of the fundamental elements of woodworking. The students are introduced to project planning, layout, assembly, and finishing. Hand and power tools are introduced along with shop safety and courtesy in the shop environment. Various wood products are utilized on assigned projects to expose students to many basic woodworking processes. The mass production unit is designed to expose students to the fundamentals of factory woodworking. Course content includes the resources, technical processes, industrial applications, technological impact, and occupations in the area of industrial technology.

COURSE TITLE: Computer Drafting (CAD) (C211-212) (1/2 credit per semester)

PREREQUISITE (S): None - Introduction to Drafting Strongly Recommended, Strong Math Skills

COURSE DESCRIPTION

This course is for the student who wishes to enter the drafting, engineering or architectural field. All drafting procedures will be conducted on the computer using Autodesk's AutoCAD software. Orthographic projection, dimensioning, sections, working drawings and pictorials are just a few of the different drafting procedures that will be covered.

COURSE TITLE: Machine Tool Technology (M301-302) (1/2 credit per semester)

PREREQUISITE (S): None – Strongly recommend Introduction to Metals 1 and/or 2, Welding Technology and Strong Math Skills

COURSE DESCRIPTION

Introduces basic layout, measuring and safety practices, students will be introduced to the basic machining tools that include the drill press, power band saw, metal lathe and the Milling Machine. Material selection, feeds and speeds and proper machine selection will be taught. Through student projects they will be able to further develop their machining skill and be introduced to the vast opportunities in the machining field. A strong emphasis in Safety practices and procedures is also encouraged during this course.

COURSE TITLE: Metals 1 (C209) (1/2 credit)

PREREQUISITE (S): Intro to Metals

COURSE DESCRIPTION

Continues on developing skills with metalworking hand and machine tools, introduction to chip producing machines, arc, mig and oxyacetylene welding. An emphasis in layout and material selection will also be encouraged during this course. Safety procedures and practices are strongly encouraged and enforced during this course.

COURSE TITLE: Metals 2 (C215) (1/2 credit)

PREREQUISITE (S): Metals 1

COURSE DESCRIPTION

Picks up where Metals 1 leaves off with advanced layout procedures, more in-depth machining and welding practices. Sheet metal and heat treat furnace will be introduced in this course as well and some minor metallurgy. Proper material selection for different student projects will enhance their knowledge of planning and estimating projects.

COURSE TITLE: Woods (C201-202) (1/2 credit per semester)

PREREQUISITE (S): Intro to Woodworking Recommended

COURSE DESCRIPTION

This course expands upon skills learned in the orientation course. Students will broaden their knowledge and skills on hand and machine tools. Safety and shop environment will be stressed. Students will be instructed in planning, layout assembly, and finishing techniques. Students will become proficient in many of the basic operations and processes of woodworking. The student will plan projects by analyzing the capabilities and usage of the tools available in the shop. Emphasis is on safety, accuracy, efficiency and quality in the finished product. Other topics include wood product marketability, shop maintenance, small-scale mass production, and custom designing. This course will allow the students to make meaningful decisions regarding further industrial occupations.

AREA VOCATIONAL CENTER TRADE/INDUSTRIAL PROGRAMS

COURSE TITLE: Auto Body 1 (U309 – 310) **(3.0 credits)**
PREREQUISITE (S): Intro to Metals Recommended



COURSE DESCRIPTION

Students will be instructed in the fundamental aspects of auto body repair methods and techniques. Instruction will emphasize safety principles and practices, auto body nomenclature, function of individual components, the use of part manuals, the identification of replacement parts, the use of auto body fillers, the use of plastic/glass fillers and special body repair tools, refinishing problems and paint preparation procedures. Practical activities should relate to removing and installing body panels, trim and glass. Students learn to prime the area to be painted and prepare the surface for final paint application. These experiences and skills will be related to metal, fiberglass, or urethane components. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course.

COURSE TITLE: Auto Body II (U311–312) **(3.0 Credits)**
PREREQUISITE (S): Auto Body I



COURSE DESCRIPTION

This course provides learning experiences designed to further enhance the students' skills in performing more advanced tasks related to automotive body. Emphasis in this training level course is placed on the identification and corrections of imperfections and finish buffing of the final coat. Student practical activities related to experiences in estimating collision damage costs, preparing customer bills, removing and replacing glass surfaces, selecting paints, repainting minor and major damages, blending and total repainting of car bodies, post-paint cleanup, and post-paint polishing.

Employability skills, interpersonal relationships, organization and operation of a business, and advanced educational opportunity will also be covered in this course. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course.

COURSE TITLE: Auto Mechanics I (T309 – 310) **(3.0 Credits)**
PREREQUISITE (S): Intro to Metals Recommended

COURSE DESCRIPTION

This class will cover introduction to the automotive industry. The class begins with shop safety practices and automotive tool use. Introduction levels of automotive systems will be covered in this class, including engine rebuilds, suspension, steering, alignment, brakes, and electrical systems.

COURSE TITLE: Auto Mechanics II (T311-312) **(3.0 Credits)**
PREREQUISITE (S): Auto Mechanics I

COURSE DESCRIPTION

This class will focus on inspecting, diagnosing, and repairing automobiles. The class will build on basic principals already learned, and turn them into trouble shooting and diagnostic skills. This class will concentrate on engine performance, electronics, automatic and manual drivelines.

COURSE TITLE: Building Trades I (C303-304) **(3.0 Credits)**
PREREQUISITE (S): Intro to Woods Recommended



COURSE DESCRIPTION

This course is designed to provide the student with many learning experiences that will allow students to become knowledgeable of fundamental principles and methods and to develop technical skills related to house construction with special emphasis placed on craftsmanship. Projects include all phases of house construction. The students are given the opportunity to receive thorough training on all the various hand and power tools used in the trade. Instruction includes safety principles and practices; recognition of standard lumber sizes; foundation layout methods; house framing; insulating methods and materials; dry wall applications and finishing; observe and demonstrate installation of plumbing fixtures/systems; observe and discuss installation of electrical fixtures. Building concepts and procedures; local, state, and national codes; cost estimating; and blueprint reading is also included. The first year is spent in the building trade shop learning the basis of home construction. All learning experiences are designed to allow the students to acquire job entry skills and knowledge. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course.

COURSE TITLE: Building Trades II (C305-306) (3.0 Credits)
PREREQUISITE (S): Building Trades I



COURSE DESCRIPTION

This course covers related instruction to be used in the actual hands-on construction of a house. The course content includes blueprint reading, job planning, basic manipulative skills, computations, proper work habits, and the use of hand and machine tools. A great deal of emphasis is put on individual instruction, demonstration, and application. Upon completion of this course, students should have the necessary operations, skills and knowledge for successful entry employment in carpentry and related occupations. Students spend class time off-campus at a job site. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course.

COURSE TITLE: Building Trades III (C305-306) (3.0 Credits)
PREREQUISITE (S): Building Trades I, Concurrent enrollment in Building Trades II, Recommendation of Building Trades Instructors



COURSE DESCRIPTION

This course is intended to offer extended time on the job site for students planning a career in construction, specifically construction management. Students will take on additional responsibilities of scheduling and procurement of construction materials as well as taking leadership roles among other students. Individual learning will be enhanced through higher-level problem solving and self motivation in assigned tasks. Student achievement will be assessed by the student's ability to react to changing conditions and tasks, modeling good work ethic, attitude to other students and increased knowledge of construction materials and methods.

COURSE TITLE: Computer Drafting Design CAD I (D305-306) (3.0 Credits)
PREREQUISITE (S): None – Strongly recommend Intro to Drafting, Computer Drafting (CAD), Strong Math Skills



COURSE DESCRIPTION

This course will offer students who are considering a career in drafting, engineering or architecture a chance to learn AutoCAD programming, Revit architecture and the various symbols and drawing procedures in mechanical engineering. This course will be split between learning architectural design, drawing and automation. Also, mechanical drawing and design. Dual credit agreement with SWIC.

COURSE TITLE: Computer Drafting Design CAD II (D307-308) (3.0 Credits)
PREREQUISITE (S): Computer Drafting CAD I



COURSE DESCRIPTION

Advanced architecture design with the use of Autodesk Revit will be covered as well as advanced continuation of mechanical design and drawing. Building codes, developing a plan of design, proper blueprint production and drafting symbols. AutoCAD efficiency will be obtained by the completion of this course. Dual credit agreement with SWIC with this course as well.

COURSE TITLE: CP Electronics I (L313-314) (3.0 Credits)
PREREQUISITE (S): None



COURSE DESCRIPTION

The purpose of this course is to provide the students with a broad background in the theory of electronics and its applications within the electronics field. Emphasis is placed upon applying theory to practical laboratory learning experience and safety principles and practices. Students will construct experimental circuits, become familiar with test instrument operation and applications, Activities include experience in troubleshooting and repairing selected components found in circuits. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course.

COURSE TITLE: Electronics II (L315-316) (3.0 Credits)
PREREQUISITE (S): Electronics I



COURSE DESCRIPTION

The purpose of this course is to provide a thorough, up-to-date coverage of digital fundamentals-from basic concepts to microprocessors with emphasis on application using real devices and on troubleshooting. This gives the students the problem-solving experience they'll need to compete in the professional arena. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course.

COURSE TITLE: Precision Machining Technology I (M305-306) (3.0 Credits)
PREREQUISITE (S): None – Strongly Recommend Machine Tool Technology, Metals 1 and/or 2, Computer Drafting, Welding Technology and Strong Math Skills



COURSE DESCRIPTION

This course is a 2 ½ hour course that will place a strong emphasis on advanced layout, measurements, basic bench procedures and basic machine operation. CNC programming and machining will be introduced with an emphasis in manual G and M code programming. Job opportunities and work related skills needed in the machining field are taught throughout the course of this class. This course will be offered under the dual credit agreement with SWIC offering students the opportunity to earn college credit.

COURSE TITLE: Precision Machining Technology II (M307-308) (3.0 Credits)
PREREQUISITE (S): Precision Machining Technology I



COURSE DESCRIPTION

This course is also a 2 ½ classes and is a continuation of Precision Machining I. Advanced layout, machining practices, measurements, metallurgy and heat treatment of tool steels will be introduced. A strong emphasis on CNC advanced manual programming and machining will be taught. Master cam computer programming will also be introduced during this course as well. This course is also apart of the dual credit agreement with SWIC offering college to high school students.

COURSE TITLE: Welding Technology I (W313-314) (3.0 Credits)
PREREQUISITE (S): None - Intro to Welding Recommended



COURSE DESCRIPTION

This course is a planned learning experience providing the student with the opportunity to develop welding skills and gain knowledge in metal joining. Students receive training in oxyacetylene and arc welding such as shielded metal arc welding, “stick welding” and gas metal arc welding, “mig welding”. Cutting skills will be developed by practicing metal cutting with plasma arc, oxyacetylene torch and automated equipment such as a Plasma Cam to cut different shapes or patterns in metal. Students will gain knowledge and skills geared to enhance their potential for success in this very interesting and rewarding field of work/learning. This is a dual credit course, which provides students with the opportunity to receive six college credits for successful completion of this course through SWIC

COURSE TITLE: Welding Technology II (W315-316) (3.0 Credits)
PREREQUISITE (S): Welding I

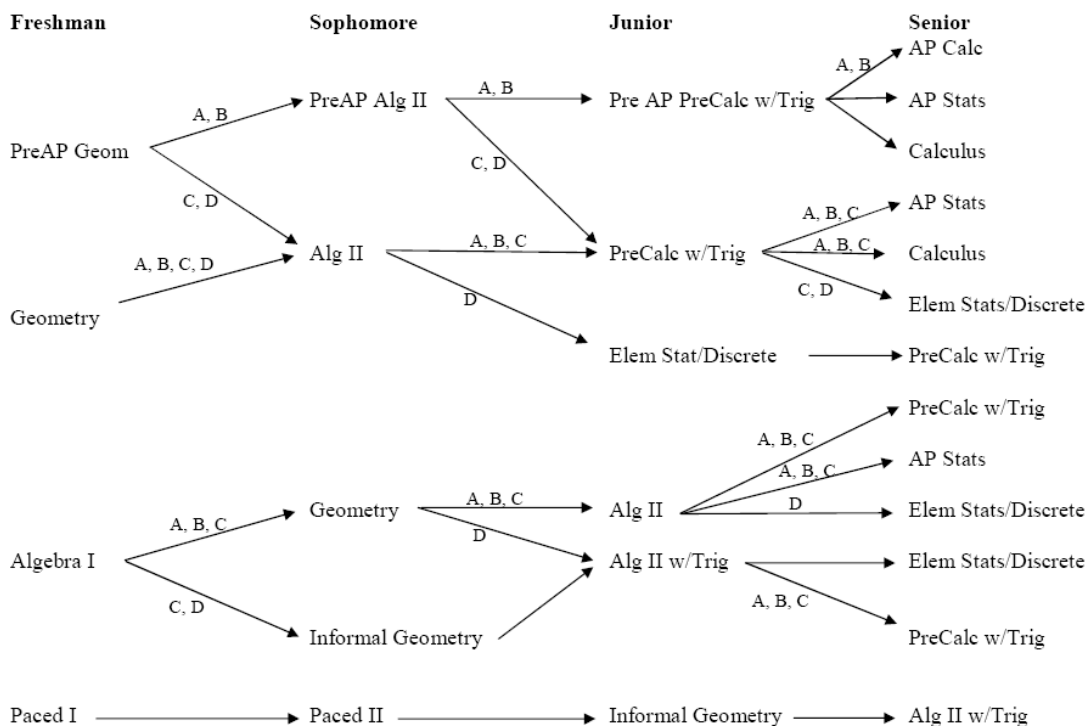


COURSE DESCRIPTION

This course will build upon the basic fundamentals learned in Vocational Welding Technology I and will introduce the student to more advanced techniques, principals, applications and procedures. By extensive hands on experience, students will acquire an ability to make welds in the vertical and overhead positions on the various weld joints and develop appreciation of craftsmanship. The aim of this course will be to prepare the student to meet all requirements to begin college at an advanced level and much closer to meeting the demands of modern industry. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course. Students earn five college credits from SWIC at no cost to the student.

Math Department Suggested Coherent Sequence of Course Study

Math Department Recommended Course of Study



MATH DEPARTMENT

COURSE TITLE: Paced-Algebra I (year one) (1/2 credit per semester)
PREREQUISITE (S): Eighth grade math or teacher recommendation

COURSE DESCRIPTION

This course builds on previous Pre-Algebra concepts to develop the following Algebra topics: variables, functions, graphs, rational number calculations, properties of numbers, solving equations with one variable, percent and ratio equations, solving inequalities, interpreting graphs, linear equations and graphing, function rules, and word problems. A variety of instructional methods will be used. PSAE preparation is incorporated into this course. A scientific calculator (such as TI-30) is recommended and will be used in the course.

COURSE TITLE: Paced-Algebra II (year two) (1/2 credit per semester)
PREREQUISITE (S): Passing grade in semester 2 of Paced Algebra I

COURSE DESCRIPTION

Paced Algebra II is the follow-up course to Paced Algebra I. This course builds and expands the topics covered in Paced Algebra I. Concepts covered in this course are the following: solving systems of equations and inequalities, exponents and exponential functions, polynomial operations, factoring polynomials, quadratic equations, radical expressions and equations, rational expressions and functions, and probability. A variety of instructional methods will be used. PSAE preparation is incorporated into this course. A scientific calculator (such as TI-30) is recommended and will be used in the course.

COURSE TITLE: Algebra I (1/2 credit per semester)
PREREQUISITE (S): Standardized test scores and/or Teacher Recommendation

COURSE DESCRIPTION



Semester 1: Topics studied include writing and evaluating expressions, function rules, properties of numbers, rational numbers, proportions, writing and solving multi-step equations, square roots, graphing and solving inequalities, including compound inequalities. Students will model data using equations, tables, and graphs, write linear equations, and examine the relationship between slope, rate of change.

Semester 2: Topics include systems of equations, and systems of inequalities, properties of exponents, exponential functions, graphing of functions. Polynomials will be added, subtracted and multiplied. Trinomials will be factored, including special cases, quadratic equations will be solved by factoring, completing the square, and the quadratic formula. Students will simplify expressions containing radicals, solve radical equations, apply the Pythagorean Theorem, solve and graph equations involving rational expressions, find permutations and combinations.

COURSE TITLE: Geometry (1/2 credit per semester)
PREREQUISITE (S): Algebra I with a grade of C or better

COURSE DESCRIPTION



This course presents the concepts of sampling and reasoning, models variation and growth, linear systems and matrices, quadratic functions and graphs, coordinate geometry and quadrilaterals, counting strategies, statistics and binomials, logic and proofs, and similar and congruent triangles. Integrated with these concepts are some aspects of basic geometry and review topics of algebra.

COURSE TITLE: Informal Geometry (1/2 credit per semester)
RECOMMENDED Paced Algebra II or Algebra I with a
PREREQUISITE (S): grade of D or Teacher Recommendation
Junior or Senior Level Only

COURSE DESCRIPTION

Informal Geometry is the follow up course to Paced Algebra II and/or students who had difficulty in regular Algebra I. Informal Geometry covers many of the same geometric concepts covered in regular Geometry, but utilizes a different teaching approach. Emphasis is placed on discovering and applying practical Geometry that is used in the workplace and at home to help make connections from concrete examples to abstract concepts. Standardized test-taking strategies will also be emphasized throughout the course.

COURSE TITLE: Pre AP Geometry (1/2 credit per semester)
RECOMMENDED
PREREQUISITE (S): Teacher Recommendation, Algebra I with A or B

COURSE DESCRIPTION



It is expected that students who take the PreAP Geometry course will be prepared for success in higher level mathematics, in college, and in their careers and daily lives for the 21st century. The course is designed to show the connections between geometry and algebra throughout the year. Topics covered include, solving and graphing linear and quadratic systems of equations and inequalities, exploring various functions and their graphs, coordinate geometry in two and three dimensions, similar and congruent triangles, quadrilaterals, circles and spheres, exponential growth and decay. Emphasis will be placed on using models to describe real-world situations. All topics from regular Geometry will also be covered. There will also be an emphasis on preparing these students for the AP exam. There will be a weekly problem solving material that will help prepare these students for the AP exam. The graphing calculator will be used to explore topics as appropriate.

COURSE TITLE: Algebra II (1/2 credit per semester)
PREREQUISITE (S): Geometry with a passing grade of C or better or Teacher Recommendation, Sophomore in Geometry with D or better.

COURSE DESCRIPTION



In the first semester, topics include functions, sequences, formulas, inequalities, variations and graphs, linear relations, matrices, systems, and parabolas. Topics studied during semester 2 include powers and roots, exponents and logarithms, trig, polynomials, and quadratic equations. Graphing calculator required.

COURSE TITLE: Algebra II with Trig. (1/2 credit per semester)
PREREQUISITE (S): Junior or Senior
Teacher Recommendation

COURSE DESCRIPTION



This course covers Algebra II topics of functions, sequences and series, linear functions, matrices, systems, powers and roots, exponents and logarithms, polynomials, and quadratic equations. The second semester covers the trigonometric topics of the unit circle, right triangle functions, inverse trigonometric functions, degree and radian measures, Law of Sines, Law of Cosines and basic vectors. Graphing calculator required.

COURSE TITLE: CP Elementary Statistics (1/2credit)
PREREQUISITE (S): Algebra II w/Trig, or Algebra II with a D
or Teacher Recommendation

COURSE DESCRIPTION



The Elementary Statistics course is a one-semester course, offered during the first semester and intended primarily for Senior students. It includes an in depth study of data analysis with topics including the construction and drawing of inferences from charts, tables, and graphs; curve fitting to make predictions; the use of measures of central tendency and variability; the calculation of correlations; and the use of sampling theory.

COURSE TITLE: CP Discrete Math (1/2credit)
PREREQUISITE (S): Algebra II w/Trig, or Algebra II with a D or
Teacher Recommendation

COURSE DESCRIPTION



The Discrete Math course is a one-semester course, offered during the second semester, and intended primarily for Senior students. It includes the applications of discrete sets – collections of things that are finite or countable. The topics studied include: sets and functions, graphs (for solving scheduling problems, map colorings, etc.) trees (for solving problems about minimal distances or costs and maximum profits), network flows (used to solve real life problems like the Alaskan Pipeline Layout); and combinatory permutations, combinations, arrangements and selections with repetition, and probability.

COURSE TITLE: Pre AP Algebra II (1/2 credit per semester)
RECOMMENDED Pre AP Geometry with an A or B and/or
PREREQUISITE (S): Teacher Recommendation

COURSE DESCRIPTION



It is expected that students who take the Pre-AP Advanced Algebra course will be prepared for success in higher-level mathematics in college. During the first semester, students will review problem modeling, explore and apply functions, logical reasoning and methods of proof, sequence and series, and exponential and logarithmic functions. The second semester begins studying data presentation and analysis; applying probability models; using angles, trigonometry, and vectors; studying transformations of graphs and data and reviewing periodic models. Graphing Calculator required.

COURSE TITLE: CP Pre-Calculus with Trig (1/2 credit per semester)
PREREQUISITE (S): Algebra II with a C or Algebra II with Trig with
a C or Teacher Recommendation.

COURSE DESCRIPTION



Topics studied will include statistics, functions, transformations, and ratios. Topics include solving triangles, exponential and log functions, sums, differences, half-angles, double angles, lines, circles, parabolas, ellipses, and polar graphs. Graphing Calculator required.

COURSE TITLE: Pre-AP Pre-Calculus with Trig (1/2 credit per semester)
RECOMMENDED Pre AP Algebra II with A or B,
PREREQUISITE (S): Teacher Recommendation

COURSE DESCRIPTION 

During Semester 1, students will study polynomial, rational, exponential, logarithmic and trigonometric functions. Each of these types of functions will be analyzed, graphed and described algebraically. Students will learn the inter-relatedness of the concepts of roots, solutions, factors, x-intercepts and zeros of functions. The unit circle will be learned along with the trig functions for all multiples of 30, 45 and 60 angles. Students will be expected to graph functions both by hand and through the use of a graphing calculator. Right Triangle trigonometry will also be studied extensively. During Semester 2, students will study the Law of Sines; Law of Cosines; vectors; dot products, projections; Polar coordinates and graphs; DeMoivre's Theorem; systems of equations, matrixes and linear programming, parametric equations; conics; parabolas, ellipses, and hyperbolas; sequences & series; statistics; quartiles, percentiles, variance, standard deviation; and limits. Graphing Calculator required.

COURSE TITLE: CP Calculus (1/2 credit per semester)
PREREQUISITE (S): Pre-Calculus with Trig with a C or better and
Teacher Recommendation.

COURSE DESCRIPTION 

Calculus begins with a review of Analytic Geometry and Trigonometry. Next begins the study of limits and their properties, which leads to the study of differentiation involving topics like the slope of a curve, velocity, acceleration, related rates, maximum and minimum, and others. Various integration techniques are studied as well as the application of these techniques such as the area between two curves, volume of a solid, length of a curve, surface area, and others. Polynomial approximations and series are explored including series of constants and Taylor series. Graphing Calculator required.

COURSE TITLE: AP Statistics (1/2 credit per semester)
RECOMMENDED GPA and/or standardized test scores. Algebra II
PREREQUISITE (S): with a C or better and/or Teacher
Recommendation

COURSE DESCRIPTION 

AP Statistics begins with methods of organizing data in various ways. Patterns and relationships will be studied. Numerical methods and graphical methods will be covered. Methods of sampling and experiments to obtain data will be required. Probability will be covered. The second semester begins with the study of variables. The binomial and geometric distributions are covered. Bias and statistical confidence lead into inference from statistics. Hypothesis testing and Chi-squared are addressed. Late in the semester, students will begin to prepare for the AP Statistics exam given in May. Graphing Calculator required.

COURSE TITLE: AP Calculus (1/2 credit per semester)
RECOMMENDED Pre AP Pre Calculus with A or B, and/or
PREREQUISITE (S): Teacher Recommendation

COURSE DESCRIPTION 

It is expected that students who take the AP Calculus course will seek college credit, placement, or both from institutions of higher learning. AP Calculus begins with a brief review of Analytic Geometry and Trigonometry. Next begins the study of limits, continuity, asymptotic and unbounded behavior of a function that leads to the study of the derivative. Various techniques of differentiation are explored such as the derivative of a sum, product, quotient, power, trigonometric functions, inverse trigonometric functions, logarithmic functions, exponential functions and others. These ideas are utilized in solving problems dealing with the slope of a curve, velocity, acceleration, related rates and others. Students will study analysis of functions and their graphs and explore the first and second derivative tests. The derivative as a function, optimizations, rectilinear motion, Newton's method and Mean-Value Theorem and its geometric consequences. Next comes the study of integrals: interpretations and properties of definite integrals, applications of integrals, the Fundamental Theorem of calculus, techniques and applications of anti-differentiation, including the use of Riemann and trapezoidal sums to approximate definite integrals of functions represented algebraically, graphically, and by table of values. Polynomial approximations and series are explored including series of constants and Taylor series.

Science Department Suggested Coherent Sequence of Course Study

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Physical Science Biology I Pre AP Biology	Physical Science Biology I Pre AP Biology CP Chemistry I Pre AP Chemistry I Environmental Science	Biology II AP Biology II CP Physiology CP Chemistry II AP Chemistry II Pre AP Physics I Geology Astronomy CP Investigative Science	Biology II AP Biology II CP Physiology CP Chemistry II AP Chemistry II Pre AP Physics I AP Physics II Geology Astronomy CP Investigative Science

**** Direct pathways cannot be written due to the large number of combinations available as electives JR and SR years.**

***THE SCIENCE REQUIREMENT IS FULFILLED UPON THE SUCCESSFUL COMPLETION OF A LIFE SCIENCE (BIOLOGY, ENVIRONMENTAL SCIENCE OR PHYSIOLOGY) AND A PHYSICAL SCIENCE (PHYSICAL SCIENCE, CP CHEMISTRY, ASTRONOMY, OR GEOLOGY)**

SCIENCE DEPARTMENT

COURSE TITLE: Astronomy (1/2 Credit)
PREREQUISITE: 1 year of science credit

COURSE DESCRIPTION



This course is an introduction to astronomy. This course will focus on the basics of astronomy including the structure of the solar system, stars, planets, and the universe. The laboratory portions will emphasize the structure of light, distance measurement, proportionality, radio waves, and use of the Internet to view new discoveries in the universe.

COURSE TITLE: Geology (1/2 Credit)
PREREQUISITE: 1 year of science credit

COURSE DESCRIPTION



This course of study includes the structure and chemical make-up of the earth, history of the earth, mineral resources, mapping, map reading, mineral identification, weather, chemical testing, and meteorology. Lab experiences and “hands-on” activities, group projects, reports, and a newspaper project are utilized to convey the course objectives.

COURSE TITLE: CP Investigative Science (Forensic Science) (1/2 credit per semester)
PREREQUISITE (S): 2 Years of Science and teacher recommendation.

COURSE DESCRIPTION



This is a yearlong course, involving all areas of science including biology, anatomy, chemistry, physics and earth science with an emphasis in complex reasoning and critical thinking. Students will study the different areas of crime solving. Students will study forensic history, physical evidence, DNA, documentation, fingerprinting, toxicology, trace evidence, serology, and various areas of biology. In addition, students must incorporate use of technology, communication skills, language arts, art, family and consumer science, mathematics, and social studies. This class is designed around authentic performance assessments with students working in teams to solve crimes using scientific knowledge and reasoning. There is a great deal of lab work, studying, and memorizing incorporated in this case.

COURSE TITLE: Physical Science (1/2 credit per semester)
PREREQUISITE (S): None

COURSE DESCRIPTION



This is a course designed as a lab course to meet the needs of a science course in the physical sciences graduation department. The course of study will include a semester of chemistry and a semester of physics relying on lab activities as well as lecture and abstract thinking. Items within the curriculum include phases of matter, bonding, chemical reactions, atoms, force motion, energy, and power, waves, and electromagnetic spectrum.

COURSE TITLE: Environmental Science (1/2 credit per semester)
PREREQUISITE (S): None

COURSE DESCRIPTION



This course will cover the planet Earth in terms of the interrelationships between the lithosphere, hydrosphere, and atmosphere. Included will be a survey of the characteristics of the world biomes. The second semester focuses on the various needs of human life. Topics will include hunger, population, energy resources, and various types of pollution. It concludes with study of managing human impact on the environment.

COURSE TITLE: Biology I (1/2 credit per semester)
PREREQUISITE (S): None

COURSE DESCRIPTION



This laboratory based course of study includes the structural and chemical make-up of living things, the interactions within an organism, interaction between organisms and its environment; and the continuity of life during the first semester. Students study the following items during the second semester: kingdoms, principles of heredity, systems of classification, as well as, how to use a classification key, a survey of the animal kingdom including invertebrate specimen dissection, and the study of the environment and other ecological information.

COURSE TITLE: Pre AP Biology I (1/2 credit per semester)
PREREQUISITE: Teacher recommendation, GPA, and/or standardized test scores

COURSE DESCRIPTION



This is a pre advanced placement preparatory course designed to meet the needs of college bound students. The course of study during the first semester includes the structural and chemical make-up of living things, the interactions within an organism, the continuity of life and the study of the environment and other ecological information. Students study the following items during the second semester: kingdoms, principles of heredity, systems of classification, as well as, how to use a classification key, and a survey of the animal kingdom including invertebrate specimen dissection. This course is recommended for above average students who are interested in an academic challenge.

COURSE TITLE: Biology II (1/2 credit per semester)
RECOMMENDED PREREQUISITE: Successful completion of Biology I

COURSE DESCRIPTION



This laboratory course includes classification & activities of Viruses, Monerans, Protists, Fungi, Microbial diseases and Plants during the first semester. The second semester of study includes invertebrates and vertebrate animals and their systems along with vertebrate dissections. The study of ecology is also included.

COURSE TITLE: AP Biology II (1/2 credit per semester)
RECOMMENDED Teacher recommendation, GPA and/or
PREREQUISITE: standardized test scores

COURSE DESCRIPTION



This course of study is designed for academically talented and hard working students who desire to learn on the college level and may wish to take the advanced placement examination. The first semester is the study of plants, biological chemistry, the cell with its structures and functions, and energy transformations during photosynthesis and cell respiration. The second semester includes the study of cell division, genetics, heredity, evolution, and the five kingdoms of organisms. Ecology is also studied.

COURSE TITLE: CP Chemistry I (1/2 credit per semester)
RECOMMENDED Teacher recommendation, GPA, and/or
PREREQUISITE: standardized test scores

COURSE DESCRIPTION



This is a college preparatory course designed to meet the needs of college-bound students. Memorization of symbols and formulas is required of students in CP Chemistry I. Problem solving requires that students work with percentages, decimals, ratios, scientific notation, and the dimensional analysis (factor label) method. Topics may include classes of matter, physical and chemical properties of matter, atomic structure and electro configuration, periodic properties of the elements, chemical names and formulas, reactions and equations, oxidation and reduction, equilibrium and solutions. Laboratory experience is used to develop an understanding of the scientific process as well as develop an understanding of the chemical concepts covered.

COURSE TITLE: CP Chemistry II (1/2 credit per semester)
RECOMMENDED Teacher recommendation, GPA, and/or
PREREQUISITE: standardized test scores

COURSE DESCRIPTION



This course includes heat in chemical reactions, gases, liquids and solids, water quality testing, solutions, chemical equilibrium, solubility and precipitation, acids, bases, salts, reactions of acids and bases, thermodynamics, application of nuclear chemistry, and organic chemistry.

COURSE TITLE: Pre AP Chemistry I (1/2 credit per semester)
RECOMMENDED One year of Algebra I with a B or better and
PREREQUISITE: completion of a summer packet of mathematical problems.

COURSE DESCRIPTION



This course is a rigorous, quantitative treatment of chemistry designed to meet the needs of students planning to enroll in AP Chemistry the following year. Students electing this course should show strong evidence of aptitude for and interest in science as well as demonstrate strong mathematical skills. Problem solving is stressed throughout and students are required to work with algebraic equations, percentages, decimals, scientific notation, ratios, and dimensional analysis (factor label method). The course requires extensive memorization of chemical symbols and formulas. Topics are covered in more depth and with more mathematical sophistication than CP Chemistry. Topics may include: the study of matter, atomic structure, inorganic nomenclature, types of chemical reactions, writing and balancing chemical equations, quantitative study of chemical reactions, oxidation and reduction, energy in chemical reactions, bonding and geometry of molecules, and periodic trends in the properties of chemical elements. Laboratory work is intended to develop an understanding of the scientific process as well as an understanding of the chemical concepts covered.

COURSE TITLE: AP Chemistry II (1/2 credit per semester)
RECOMMENDED Teacher recommendation, GPA, and/or
PREREQUISITE (S): standardized test scores

COURSE DESCRIPTION



AP Chemistry is a two-semester laboratory based course. It requires proficient Algebra skills and some Geometry skills. The College Board sets the curriculum. This curriculum is equivalent to 1st year general chemistry college course. AP Chemistry demands many symbols, facts, equations, and etc. be memorized. Critical thinking skills are necessary to be successful.

COURSE TITLE: Pre AP Physics I (1/2 credit per semester)
RECOMMENDED Teacher recommendation, GPA, and/or
PREREQUISITE (S): standardized test scores

COURSE DESCRIPTION



This two-semester course is a laboratory based program designed to meet the needs of college bound students. PreAP Physics prepares students for the AP Physics curriculum and the associated AP exam. The topics covered include motion, forces, gravity, circular and harmonic motion, energy, momentum, waves, sound, light, optics, electricity, magnetism and circuits.

COURSE TITLE: AP Physics II (1/2 credit per semester)
RECOMMENDED Teacher recommendation, GPA, and/or
PREREQUISITE: standardized test scores, it is highly recommended
that students are concurrently enrolled in CP or
AP Calculus

COURSE DESCRIPTION



It is expected that students who take the AP Physics II course will seek college credit, placement or both from institutions of higher learning. AP Physics is a two-semester laboratory based course. The curriculum is set by the College Board and requires the use of calculus techniques. The curriculum is based on Mechanics (semester 1) and Electricity and Magnetism (semester 2) which is equivalent to the first two semester of calculus based physics as most universities.

COURSE TITLE: CP Physiology (1/2 credit per semester)
RECOMMENDED
PREREQUISITE: Biology I or Chemistry I

COURSE DESCRIPTION



Topics to be studied the first semester include the names and functions of the body systems, names and functions of the skin and conditions affecting the skin, bones and muscles. The second semester examines the nervous system and sense organs. Also to be included is the study of circulatory, respiratory, digestive, urinary, and reproductive systems.

Social Science Department Suggested Coherent Sequence of Course Study

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Civics	World Geography World History CP World History Civics Current Events	US History CP US History AP US History Sociology Psychology Economics	AP Government and Politics

** All classes listed according to first year possible to enroll.

SOCIAL STUDIES DEPARTMENT

COURSE TITLE: Civics **(1/2 Credit)**
REQUIRED COURSE

PREREQUISITE (S): None

COURSE DESCRIPTION



This is a one-semester course surveying the structure and political processes of the federal government and state governments. This course will allow an introductory involvement to politics dealing with our federal and state governments. The topics will include a historical overview and current involvement domestically and internationally and the effects on our federal government. The last three weeks will focus on the United States and its intervention in world affairs. A student must pass the state and federal constitution exams in order to receive a passing grade in this course.

COURSE TITLE: Current Events **(1/2 Credit)**
PREREQUISITE (S): None

COURSE DESCRIPTION



Current Events is a class which attempts to make students better informed about local, state, national, and international concerns. Students read the St. Louis Post-Dispatch in class and they are encouraged to gain additional current events information from radio and TV news.

COURSE TITLE: Economics (B353) **(1/2 Credit)**
PREREQUISITE (S): None

COURSE DESCRIPTION



This course focuses on all the economic perspectives and how they relate to the world economy. Topics would include: individual decisions, social decisions, demand and supply, income distribution, business firms in the economy and economic growth. Student activities would include graphing various business firms (free market, monopoly, oligopoly, etc.) as well as forecasting business trends.

COURSE TITLE: Psychology **(1/2 Credit)**
PREREQUISITE (S): None

COURSE DESCRIPTION



Psychology is a scientific study of human behavior and the factors, conditions, and experiences that affect and influence our activities. The topics examined in this course touch on all aspects of our lives. The goals of this study are to enable the student to describe, understand and explain the phenomena of human behavior. Psychology provides an introduction to the historical developments, terminology, and basic concepts and principles of psychology. The course also surveys the procedures and methods used by psychologists, investigates the physiology of our sensory system, the mechanics of perception, para-psychology analysis of human learning and memory and a brief study of "Developmental psychology" or the life cycle from infancy through gerontology. The study of Psychology includes the following topics: motivation and emotion, stages of consciousness including sleep, dreams, hypnosis, sensory deprivation, etc. Other topics examined are stress and anxiety theory, development of personality, abnormal behavior, mental illness, interpersonal relations, social contacts, and group dynamics.

COURSE TITLE: Sociology (1/2 Credit)
PREREQUISITE (S): None

COURSE DESCRIPTION



This single semester class is designed to help students understand the organization, interaction, and complexities of modern American society. Areas of study include social values, social control, and society's effect on individual behavior, psychosocial needs, social crime, generational conflict, gerontology and other forms of social behavior. It is recommended that this course be taken during a student's junior or senior year.

COURSE TITLE: United States History (1/2 credit per semester)
PREREQUISITE (S): None

COURSE DESCRIPTION



U.S. History is a required course usually taken during the junior year. Semester 1 consists of the following: a review of U.S. History through the Civil War, and a chronological study from the Reconstruction Period to World War I. Semester 2 of U.S. History is a chronological examination of the Twentieth Century (starting with World War I) with emphasis on significant individuals, events, and issues that shaped this period of U.S. history.

COURSE TITLE: CP U.S. History (1/2 credit per semester)
PREREQUISITE (S): None

COURSE DESCRIPTION



This course is intended for college bound juniors. Semester one includes the study of American history from 1865 to about 1910. Semester two includes the events from 1910 to the present. Special readings, research, writing assignments, various projects, and note taking are key elements of this course.

COURSE TITLE: AP U.S. History (1/2 credit per semester)
PREREQUISITE (S): Teacher recommendation, GPA, and/or standardized test scores

COURSE DESCRIPTION



The AP United States History course is designed to expose students to a college level course ranging from the Discovery period through present day history with the opportunity to earn college credit while still in a high school setting. In this course we follow the three R's: **Rigor**, **Relevance** and **Relationships**. The goal of this course is to prepare you to take the AP United States History exam offered in May, hone your critical thinking skills, expand your writing abilities and further your analysis skills in the realm of reading. Your educational experience will rely on developmental lessons, daily homework, reading and writing assignments including DBQ's, (Document Based Question) quizzes, multiple-choice and essay examinations.

COURSE TITLE: World Geography (1/2 credit per semester)
REQUIRED COURSE
PREREQUISITE (S): None

COURSE DESCRIPTION



World Geography is a course intended to give the student an overview of the physical and cultural aspects of today's modern world. Semester 1 of World Geography deals with basic map skills, the earth's atmosphere, land, oceans, and the resources available to humans. A study of North America, South America and Europe completes the first semester. Semester 2 of World Geography is a continuation of the study of the world's places. The focus is on the Middle East, Africa, Asia, and Australia. Rounding out our study of the world is a brief look at how the quality of human life has progressed and the challenges that still face humans in the future.

COURSE TITLE: World History (1/2 credit per semester)

REQUIRED COURSE

PREREQUISITE (S): None

COURSE DESCRIPTION



World History is a course that deals with the development of civilization from the prehistoric times to Industrial Revolution. The emphasis is on the major world cultures of the western world and their effect on our world today. Its objective is to help students understand the nature of the world, how it got that way, and how nations acquired their role in today's world. Semester 1 includes pre-historic cultures, Mesopotamia, Egyptian Civilization, Greek and Roman cultures, and the early Middle Ages. Semester 2 includes the age the late Middle Ages, nation building in Europe, the Renaissance and Reformation periods, the Age of Absolute Monarchs, the Enlightenment, periods of Revolution in America and France and the Industrial Revolution.

COURSE TITLE: CP World History (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION



College Prep World History is a course that traces world history from the origins of civilization to the Industrial Revolution. The emphasis is on the major world cultures of the western world and their effect on our world today. Its objective is to help students understand the nature of the world, how it got that way, and how nations acquired their role in today's world. Semester 1 includes pre-historic cultures, Mesopotamia, Egyptian Civilization. Greek and Roman cultures and the early middle Ages. Semester 2 includes the late Middle Age, nation building in Europe, the Renaissance and Reformation periods, the Age of Absolute Monarchs, the Enlightenment, periods of Revolution in America and France, and the Industrial Revolution. The course includes a greater emphasis on selected subjects using student research to discuss topics in greater detail. There will be oral and written projects throughout the course. *This course is highly recommended for college bound students.*

COURSE TITLE: AP Government and Politics (1/2 credit per semester)

PREREQUISITE: Teacher recommendation, GPA, and/or standardized test scores

COURSE DESCRIPTION



Advanced Placement Government and Politics is a rigorous, college level course of study that gives students an analytical perspective on government and politics in the United States. This course includes both the studies of general concepts used to interpret US politics and the analysis of specific examples. It is also designed to familiarize students with the various institutions, groups, beliefs, and ideas that constitute US politics as well as acquaint students with the variety of theoretical perspectives and explanations for various behavior outcomes. It is expected that students who complete this yearlong course of study will take the AP Government and Politics exam.

SPECIAL EDUCATION DEPARTMENT

COURSE TITLE: English I (L) (E) (B) (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course is designed to improve students' basic reading, writing, vocabulary and grammar skills. Reading activities may include contemporary and classic short stories, novels, and plays as well as current magazines, newspapers and other appropriate materials. Writing activities such as journal writing, personal narratives and paragraph length compositions may be used.

COURSE TITLE: English II (L) (E) (B) (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course is designed to improve students' basic reading, writing, grammar, vocabulary, and spelling skills. Emphasis is also placed on improving listening and study skills. Reading activities may include classic and contemporary short stories and plays, as well as selections from appropriate magazines and newspapers. Response to this reading is encouraged through discussion and various writing assignments. Basic language and writing skills will be developed in relation to student needs as indicated through actual writing activities.

COURSE TITLE: English III (L) (E) (B) (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course is designed to further develop a student's ability to read, comprehend, interpret and evaluate written material. Novels, plays, short stories, and poetry will be read with the intent of increasing student's appreciation of various forms of literature. The other emphasis in this course is on vocabulary development, writing skills, and listening skills. The second semester will provide a review of basic grammar, emphasizing correct usage, punctuation, capitalization, sentence structure, vocabulary development and spelling. Students will apply these learned skills in writing narratives, description and exposition writing activities will stress communicating well organized, clearly stated ideas in a variety of practice situations.

COURSE TITLE: English IV (L) (E) (B) (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

Reading selections and classroom activities are chosen to meet the interests and needs of the older students while enabling them to master literacy skills. This course includes directed instruction in the following employment related skill areas: career exploration, utilizing employment resources, writing business letters, completing job applications and forms and writing resumes.

COURSE TITLE: Paced Algebra I (L) (B) (year one) (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course includes the study of integers, metric systems, fractions, decimals, word problems, operating scientific calculators, and solving equations. Students will develop skills involving signed numbers, equations, transformations, graphing, and geometric concepts.

COURSE TITLE: Paced Algebra II (L) (B) (year two) (1/2 credit per semester)

PREREQUISITE (S): Paced Algebra I

COURSE DESCRIPTION

This course includes the study of integers, metric systems, fractions, decimals, word problems, operating scientific calculators, and solving equations. Students will develop skills involving signed numbers, equations, transformations, graphing, and geometric concepts.

COURSE TITLE: Informal Geometry (L) (B) (1/2 credit per semester)

PREREQUISITE: None

COURSE DESCRIPTION

This course presents the concepts of sampling and reasoning, models variation and growth, linear systems and matrices, quadratic functions and graphs, coordinate geometry and quadrilaterals, counting strategies, statistics and binomials, logic and proofs, and similar and congruent triangles. Integrated with these concepts are some aspects of basic geometry and review topics of algebra. Standardized test-taking strategies will also be emphasized throughout the course.

COURSE TITLE: Practical Math (E) (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

Students will assess and review basic math skills. Throughout Practical Math students will review and demonstrate practical application by applying basic math skills to problems requiring mastery of these skills. Students will advance to decimals, percents, and fractions, as well as basic geometric concepts during the second semester.

COURSE TITLE: Consumer Math I (E) (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

Students review basic math skills. Emphasis is placed on learning work and consumer related math skills. Students learn banking and budgeting skills, comparison-shopping, reading utility bills, using credit, and buying insurance.

COURSE TITLE: Consumer Math II (E) with Geometric Applications (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course is designed to help students gain proficiency with mathematics skills and consumer concepts, to encourage self-preparation, and enable students to transfer these concepts in tomorrow's world. It includes problem solving strategies and alternate methods of computation to solve a wide range of consumer problems as well as a solid basic skills support. Second semester students will discover and apply practical geometry that is used in the workplace and at home to help make connections from concrete example.

COURSE TITLE: Applied Mathematics (E) (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

Students will assess and review basic math skills. Throughout Applied Mathematics, students will review and demonstrate practical applications by utilizing mathematical reasoning and basic math skills involving problems with multiple step calculations. Students will learn to apply mathematics to solve unfamiliar problems. The students will receive instruction on when and how to use a scientific calculator and solve problems in real-world context (i.e. academic, vocational, technical, and personal).

COURSE TITLE: Civics (L) (E) (B) (1/2 Credit)

PREREQUISITE (S): None

COURSE DESCRIPTION

This is a one-semester course surveying the structure and political processes of the federal government and state governments. This course will allow an introductory involvement to politics dealing with our federal and state governments. The topics will include a historical overview and current involvement domestically and internationally and the effects on our federal government. The last three weeks will focus on the United States and its intervention in world affairs. A student must pass the state and federal constitution exams in order to receive a passing grade in this course.

COURSE TITLE: U.S. History (L) (E) (B) (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course is a chronological study of the people and events that have shaped us from the period of discovery to the Revolutionary War during the first semester. A chronological study of the people and events that have shaped us from the Revolutionary War to the present is the focus during the second semester.

COURSE TITLE: World Geography (L) (E) (B) (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course is a study of the general characteristics of the Earth; how resources and environment affect the dynamics of cultural development. The focus of study the second semester includes what cultural anthropology is, how cultures are studied, and various elements of culture.

COURSE TITLE: Personal Skills (E) (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

Students are taught ways to deal appropriately with everyday situations in school, at home, and at work. Topics covered may include maturity, values, goals, decision-making, self-concept, and stress management. Second semester topics include assertive behavior, communication skills, interpersonal relationships, and family groups.

COURSE TITLE: Conceptual Chem. / Physics (L) (E) (B) (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course of study will include a semester of chemistry and a semester of physics relying on lab activities as well as lecture and abstract thinking. Items within the curriculum include phases of matter, bonding, chemical reactions, atoms, force, motion, energy, and power.

COURSE TITLE: Biology (L) (E) (B) (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

This is a lab-based course designed to meet the needs of students. The course of study during the course includes the structural and chemical make-up of living things, the interactions within an organism, interaction between organisms and its environment; and the continuity of life.

COURSE TITLE: Microsoft Applications (L) (E) (B) (Y201) (1/2 Credit)

PREREQUISITE (S): None

COURSE DESCRIPTION

This course is an orientation level course designed to familiarize the students with the computer and software programs typically used in education and business. The student will learn basic features in Microsoft Office program in order to create and format documents.

COURSE TITLE: Health 1 (L) (E) (B) (1/2 Credit)

PREREQUISITE (S): None

COURSE DESCRIPTION

Basic Health is a general course with an emphasis on developing a healthy lifestyle. Students will cover topics such as the body systems, nutrition, chemical abuse, and human sexuality. This course fulfills the health graduation requirement.

COURSE TITLE: Interpersonal Relationships I (B) (E) (L) (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

Students will learn valuable affect/social skills that are incorporated into academic programming daily. This course will provide ample reinforcement and practice opportunities. This course will help students acquire skills for academic, personal and vocational success.

COURSE TITLE: Co-Op (L) (E) (B) (Y401-402) (1.25 credits per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

This program is a work-related experience for special education juniors and seniors. Students who participate in this program work for either the school district or in local businesses during the school day. The main objective of this course is to teach work related behaviors i.e. (appropriate dress, being on time, filling out timesheets, applications and specific job related skills). Student's are paid a training wage and receive credit for this course. Upon completion of this program/class the Department of Rehabilitation will provide transition services for students enrolled in STEP. This service will help students make a smooth transition from school life to work life and independent living situations.

COURSE TITLE: Adaptive Physical Education (1/2 credit per semester)

PREREQUISITE (S): None

COURSE DESCRIPTION

Adaptive Physical Education is designed to meet the special physical, emotional, and intellectual needs of the trainable student. Special emphasis is placed on improving both gross and fine motor skills through practice and repetition and utilizing those skills in game play.

Notes

Notes