

# District 202 High School Curriculum Guide

Dear District 202 High School Students and Families:

The vision statement of Plainfield Community Consolidated School District #202 is, “We Prepare Learners for the Future.” With that overarching principle and focus, we present the 2017-2018 District 202 High School Curriculum Guide.

As a high school student, one of the most important tasks you will perform is the mapping of your four-year “program-of-study.” We believe that students should take the most challenging academic program available. High school is a time for students to challenge themselves in the classroom while exploring courses of interest. Please consider your current and future goals as you select your courses. Please share this guide with your parents/guardian and review it together. Course selection and the planning process should be a cooperative exercise between the student and the parent/guardian.

The District 202 High School Curriculum Guide contains general information about high school and provides a description of each course offered at a District 202 high school or the Wilco Area Career Center. District 202 offers a comprehensive education program involving required and elective courses in English, mathematics, science, social studies, physical education/health/driver education, world languages, career and technical education, and fine arts. District 202 offers 25 Advanced Placement (AP) courses; eight dual-credit courses through Joliet Junior College; vocational courses through the Wilco Area Career Center; special needs courses; and courses for English Learners. The District 202 high school curriculum is a dynamic blend of required and elective courses developed and taught by highly qualified teachers.

When choosing your courses, please consider your abilities and interests as well as the District 202 graduation requirements. Your teachers and guidance counselor will be great resources as you move through the scheduling process. Please ask them questions as the process unfolds and know they are available to support your success as a high school student. Best wishes!

Sincerely,

Dr. Lane Abrell  
Superintendent

# District 202 High School Curriculum

## Vision

We prepare learners for the future.

## Mission

The mission of Plainfield Community Consolidated School District 202, the primary source of comprehensive, high-quality education in a trusting, supportive environment, is to develop at all levels responsible, successful citizens by providing an education, in cooperation with the home and the community, that fosters each individual's value, uniqueness and importance, and promotes life-long learning in an ever-changing society.

### We believe:

- Education is a shared responsibility
- Everyone can learn
- Every individual has value and importance
- Success is necessary for everyone
- Every individual needs love, respect and acceptance
- Learning is a life-long process
- Schools and changing society affect one another
- The primary function of the school is to educate

## District 202 Personnel

Board of Education	District 202 Administration
Michelle Smith - President Greg Nichols –Vice President Kevin Kirberg – Secretary Heather Drake David Koch William Slabich, Jr. Rod Westfall	Dr. Lane Abrell Superintendent  Dr. Glenn Wood Asst. Superintendent for Curriculum and Instruction  Dr. Dan McDonnell Director Curriculum and Instruction Grades 9-12

*\*Approved 11/21/16*

## Curricular Policies and Procedures

This handbook provides descriptions of all courses and programs available in District 202 high schools. In order to plan a complete course of study for the next four years, students should study these pages carefully, confer with their parents, and strongly consider the advice of teachers and counselors.

Courses listed in this Curriculum Guide will be offered only if there is sufficient enrollment. District 202 Board of Education policy defines sufficient enrollment to be 15 students at the start of the school year. Course offerings may also be affected by the availability of staff as well as facilities. Also, it is expected that a student successfully completes a prerequisite before enrolling in a higher level sequenced course.

Students enrolled in Advanced Placement (AP) courses, who wish to obtain college credit, will be expected to pay for and take the AP exam in May. All other students in AP courses are required to take a retired AP exam at the end of the year for no cost and no opportunity for college credit.

# Curricular Policies & Procedures

## Course Load

All freshmen, sophomore, and junior students must register for a minimum of 6.0 credits each year. Students at the senior level must register for a minimum of 5.0 credits.

## Schedule Change

Every year a new master schedule is created in an effort to accommodate the course requests of all students. After analyzing the students' requests, the administration develops a plan for staffing courses as well as purchasing equipment and supplies for the following year. After course selection, changes can be made until the last day of school, if space is available. After the last day of school, course request changes will only be considered for the following reasons: passed summer school class, failed summer school class, scheduling errors, adjustment necessitated by a student's IEP, specific college requirements, or students that failed 2<sup>nd</sup> semester course.

A student may level change (i.e. Algebra 2 Honors to Algebra 2) a course within the first 10 school days of the next year, if space is available. Please be aware that changing the level of a course may alter a student's whole schedule.

A student who drops a course after 10 school days will incur a Withdraw Failure (WF) grade. If a student is enrolled in a dual credit course and drops from the course, a WF grade will be listed on both their high school and Joliet Junior College transcript. Also, a student's WF grade will be calculated in the same manner as a failure for the purpose of establishing a cumulative grade point average-

The following schedule changes are not allowed:

- Requests to have or to not have a particular teacher.
- Requests for specific lunch/study hall periods.
- Requests to arrange a student's schedule in a particular order.

## Transfer

The credits of students who transfer to District 202 from schools that are accredited by the North Central Association or comparable associations are honored. Credits for any classes that are not offered in the District 202 curriculum are evaluated by the building administration.

## Correspondence Credits

This option is limited to students who are enrolled in six courses or are not on schedule to graduate in time. A maximum of two correspondence credits may be taken to meet graduation requirements, unless the building principal grants an exception. The grades earned in any correspondence course will not count toward the student's overall GPA. Students need to meet with a counselor prior to enrolling in any correspondence course.

## Dual Credit

District 202 has entered into a cooperative agreement with Joliet Junior College (JJC) to offer dual credit coursework at each of its high schools. Students who complete courses offered through this agreement receive both high school credit toward graduation and college credit. ***Students may be required to pass placement test through JJC before enrolling in the course. Students must work closely with a counselor to ensure that all JJC requirements are met.*** A District 202 faculty member will teach the dual credit course(s). ***Courses to be offered are dependent upon teacher availability and JJC approval.*** Interested students should contact their counselors for additional information.

# Curricular Policies & Procedures

## Grade Point Average (GPA) and Rank in Class (RIC)

A student's Grade Point Average (GPA) – used to determine Rank in Class (RIC) – is computed on a 5-point scale.

A = 5.00

B = 4.00

C = 3.00

D = 2.00

F = 1.00

Weighted grades are used in advanced and honors courses. Students earning A, B or C semester grades in these courses will receive grade points of 6.1, 5.1 or 4.1, respectively, rather than the normal 5.0, 4.0 or 3.0 points awarded in non-weighted courses.

## Grading Procedures

Semester grades are cumulative. Parents are encouraged to monitor their student's progress online at [www.psd202.org](http://www.psd202.org). Grades are computed in the following manner:

- A = Outstanding academic achievement
- B = Above-average academic achievement
- C = Average academic achievement
- D = Below-average academic achievement (minimum passing grade for which high school credit is granted)
- F = Unsatisfactory academic achievement. No credit is given for courses in which a student has earned this grade.
- W = Withdrawal from a course without a grade penalty. This mark will not affect a student's grade point average or class rank.
- WF = Withdrawal from a course with a grade penalty. This grade is considered an "F" when calculating a student's grade point average or class rank.

The following grading scale is a guideline used by teachers: A = 90-100 B = 80-89 C = 70-79 D = 60-69 F = 0-59

## Honor Roll

Honor Roll is determined at the end of each semester. In order to achieve this recognition, a student must earn a semester GPA of at least 4.00, with no grades of D, F, or WF. Students' names are placed on the High Honor Roll if their semester grade point average is 5.000 or better. Students must be enrolled in a minimum of five (5) courses in order to qualify for honor roll.

## Early Graduation

Students are able to graduate one semester early from high school if they complete all graduation requirements per School Board Policy 6:300. To graduate early, students must notify their counselor one year prior to their graduation and complete an early graduation petition.

## Graduation

All prospective graduates are required to pay all fees. If all fees are not paid in full, graduates will not be allowed to participate in the graduation ceremony and the district will not release their official transcript. Transfer students must have all transfer credits required for graduation from District 202 submitted to the school registrar on an "Official Transcript" before a complete official Plainfield transcript will be released.

# Curricular Policies & Procedures

## NCAA & NAIA Initial Eligibility Requirements

For students who wish to participate in athletics at NCAA Division I or II universities or colleges, or NAIA universities or colleges there are specific standards that must be met in high school. Interested students should consult the NCAA Clearinghouse website at [www.ncaa.org](http://www.ncaa.org) or 1-877-262-1492 or the NAIA website at [www.playnaia.org](http://www.playnaia.org) or 1-816-595-8300.

## College & Career Readiness Recommendation

The graduation requirements listed in this guide represent the minimum program of study for Plainfield students. Research has shown that tomorrow's careers and college entrance requirements will both demand many of the same level of skills for success. Students and parents are strongly encouraged to discuss post-secondary requirements and opportunities and begin planning as soon as possible. While there is no single set of requirements that will guarantee acceptance into all colleges and universities or guarantee a job, a balanced program of challenging courses is highly recommended for all students.

District 202 students must complete the required courses as well as a total of 21 credits.

Content Area	District 202 Graduation Requirements	Recommended High School Coursework for Illinois College Admission 6		
		Illinois State University	University of Illinois-Chicago	University of Illinois-Champaign
Department	Credits Required			
English	4	4	4	4
Mathematics 1	3	3 Alg, Alg 2, Geo.	3-4 Alg, Geo, Ad Alg, Trig	4
Science 5	3	2 with lab	3	4 with lab
Social Science	2	2	3	4
A. U.S. History / AP U.S. History	1			
B. Government & Civics 2 / AP U.S. Government 2	.5			
C. Elective	.5			
Consumer Education	.5	X	X	X
A. Economics 3	.5			
B. Orientation to Business 3	.5			
C. Work Internship Class 3	1			
D. Special Education Vocational Co-Op Class 3	.5			
E. AP Microeconomics 3	.5			
Art, Career and Technical Education, Music, or World Language	1	2-WL or 2 Fine Arts	2- WL	4 – WL
Physical Education	4*	X	X	X
A. Health	.5			
B. Drivers Education 4	.5			
Elective	3.5	2	X	X
<b>TOTAL CREDITS</b>	<b>21</b>	<b>See Below 6</b>		

- Students are required to take Algebra 1, Geometry, and Algebra 2 or the approved equivalent.
- Students are required to pass the U.S. Constitution, Illinois Constitution, and Flag Code exam.
- Meets the Consumer Education credit requirement.
- The Driver Education requirement may be satisfied by completing a course with a state certified commercial driving school or the completion of Driver Education. Students MUST still complete 4 credits of Physical Education. Students who elect to take the Driver Education course must pass 8 courses in the previous 2 semesters and be at least 15 years of age to be eligible for the Driver Education course.*  
\* See P.E. Exemptions for Board approved guidelines.
- Students are required to take Biology, Chemistry, and Physics or Physical Science.
- Check college catalogues and websites for specific requirements for admission.

\*Approved 11/21/2016

# Curricular Policies & Procedures

## Physical Education Exemptions

A student in grades 11-12 may request the Building Principal to be excused from physical education courses for the following reasons:

1. Ongoing participation in an interscholastic athletic program;
2. Enrollment in academic classes that are required for admission to an institution of higher learning\*;
3. Enrollment in academic classes that are required for graduation from high school, provided that failure to take such classes will result in the pupil being unable to graduate; or
4. Enrollment in a band program for credit.
5. Continued enrollment in a WILCO course.

\*Unless a student can show that the college of his or her choice *expressly* requires a specific advanced placement class or a required number of advanced placement classes for admission to its institution, the School Code does not authorize a board of education to excuse a student from physical education for the purpose of taking an advanced placement class.

Students must submit such requests in writing with as much specificity as possible. Principals shall maintain records showing that they applied the stated criteria to the student's individual circumstances. Unique situations falling outside the stated criteria will be examined on an individual basis by the Building Principal.

## Physical Examination Requirements

Per the requirements cited in the *School Code of Illinois*, proof of receiving all state-required immunizations, as well as a physical examination by a licensed physician is required of every student entering ninth grade and every student entering an Illinois public high school for the first time. The required school physical may be used to satisfy the Illinois High School Association (IHSA) requirement that every student have a satisfactory physical to participate in an interscholastic sports program.

***Please note that no incoming freshman or new student will be allowed to register without a fully completed physical examination and proof of having received all required vaccinations.*** The form may be mailed to the student's school or it may be brought to school on the day of a student's registration. A transfer from outside the boundaries of Illinois will be allowed 30 days to fulfill the immunization requirement only. The physical examination is still required upon registration.

Any student enrolling for the first time in any grade in Illinois must have an eye examination performed within the previous year by a licensed optometrist or medical doctor who performs eye exams. The eye examination is due by October 15.

## Wilco Area Career Center

Juniors and seniors may enroll in programs at the Wilco Area Career Center, located in Romeoville. Wilco's programs are designed to offer students career-based courses that provide skills required for continued education and/or employment upon completion. Students attend one of three daily sessions and their home school schedules courses. Some programs or levels may not be available each session.

### Wilco Session Schedule:

- Session 1: 7:50 a.m. – 9:50 a.m.
- Session 2: 9:55 a.m. – 11:55 a.m.
- Session 3: 12:26 p.m. – 2:26 p.m.

# Career & Technical Education - Business

## Accounting

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0 (Regional ID# 2001)

**Prerequisite:** None

**Fees:** Students are required to purchase workbook and simulation.

**Description:** Students learn accounting principles and concepts as applied to small businesses. Students will perform activities related to general accounting principles and the accounting cycle. Students will analyze transactions and prepare accounting documents and reports for businesses organized as proprietorships, partnerships, and corporations. This is a good background course for the following college majors: accounting, business administration, finance, economics, marketing, computer science, hotel and restaurant management, and agriculture.

## Advanced Accounting

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0 (Regional ID# B2011)

**Prerequisite:** Accounting

**Fees:** Students are required to purchase workbook.

**Description:** This course is designed to assist students who are interested in attending a school of business at the college level. It is also intended to provide students with entry-level skills and knowledge in the event they wish to enter the business world. Students will perform advanced accounting procedures for different types of corporate departmental structures. Students will complete automated activities as they analyze transactions and prepare accounting documents and reports.

## Business Law/Management

**Grade Open To:** 11-12

**Term:** 1 or 2

**Credit:** 0.5 (Regional ID# B2101)

**Prerequisite:** None

**Description:** The course covers the law as it generally relates to society, and then specifically as it relates to the citizens, the minor and the consumer. There is an in-depth study of the principles of law as they relate to contracts. Insurance, employment contracts, government regulations of employment and employee and employer rights are also covered in this course. This course offers students the potential for becoming responsible citizens, and it teaches them rules to follow in their business and personal lives.

## Computer Applications

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5 (Regional ID #B120.5)

**Prerequisite:** Introduction to Computer Technology

**Description:** This course is designed to provide students with hands-on experience with personal computers. The student gains knowledge of computer technology through use of Microsoft Office. Students learn Word, Excel, PowerPoint, and Access and develop the knowledge and skills necessary to apply learning in personal and/or business applications. These programs are beneficial in students' daily lives and in a variety of careers.

# Career & Technical Education - Business

## Desktop Publishing for Marketing and Advertising

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5 (Regional ID# 260.5)

**Prerequisite:** Introduction to Computer Technology

**Description:** Desktop publishing is the process of using specific types of computer software to combine text and graphics to produce professional-looking documents. This project-oriented course is designed to provide students with the ability to create a variety of documents, including newsletters, flyers, brochures, and a binding project using advanced concepts and software. Students learn how to plan and design documents with watermarks, borders, AutoShapes, text boxes, WordArt, graphics, bullets, and more. Effective use of colors, fonts, and special effects is emphasized. Software introduced is state of the art and continually changing.

## Entrepreneurship

**Grade Open To:** 11-12

**Term:** 1 or 2

**Credit:** 0.5 (Regional ID# B2101)

**Prerequisite:** None

**Description:** Students will demonstrate the knowledge required to run a small business by examining the procedures and skills necessary to open and maintain a successful small business venture. Students will analyze and produce a business plan and will design, manage and market their own business.

## Game Design

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5 (Regional ID# B280.5)

**Prerequisite:** None

**Description:** This course is designed to provide students with the working knowledge and technical skills required to plan, design, and implement a complete three-dimensional video game. This course covers the applied techniques of 2D and 3D animation and rendering. Students learn the applied concepts and techniques of modeling with modification techniques that use the materials editor, special effects lighting, geometric modifiers, key framing and tracking to derive practical animation solutions to complex animated effects. Any games created are the sole ownership of District 202. The final result of the class will be the students constructing an educational game using a game engine. ***Students/Guardian will be required to sign a disclaimer form as part of the class.***

## Introduction to Computer Technology

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5 (Regional ID# B110.5)

**Prerequisite:** None

**Description:** This course is designed to teach students the touch typing method of the alpha/numeric keyboard on the personal computer, with an emphasis on proper keying techniques and proofreading/editing skills. Students will develop speed and accuracy while producing and editing properly formatted documents utilizing the appropriate software applications. Students also gain knowledge of Microsoft Word. Basic word processing is introduced. Students key academic reports, personal letters, tables, and a capstone project in Microsoft Word. The development of employability skills is included in the course. This course is required before entry into other business computer classes.

# Career & Technical Education – Business

## Orientation to Business & Personal Finance

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5 (Regional ID# B100.5)

**Prerequisite:** None

JJC Finance 100 Personal Finance-3.0 cr. hrs.

**Dual Credit:** Available only to 11-12

**Description:** In today's increasingly complex society, everyone needs an understanding of the business world. This is true not only of the person who intends to enter the business world in order to make a living, but of each person who will buy and use the goods and services that businesses have to offer. Nine weeks of this course consists of a program in consumer education, which will include the following topics: the individual consumer in the marketplace, money management, consumer credit, human services-housing, food, transportation, clothing, health services, drugs and cosmetics, recreation, furnishings and appliances, insurance, savings and investments, taxes and the consumer in our economy. Other topics include banking services, the stock market, basic marketing principles and career investigation. *Course offering dependent upon teacher availability and JJC approval. This course can be used to meet the consumer education requirement for graduation.*

## Sports and Entertainment Marketing and Advertising

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5 (Regional ID# B270.5)

**Prerequisite:** None

**Description:** This course focuses on marketing and advertising products to the consumer. Content is based on real world examples in sports, entertainment and advertising. Topics covered include marketing research, product planning, purchasing, distribution, pricing, promotion, and advertising in relation to sports and entertainment.

## Work Internship (WI)

**Grade Open To:** 12

**Term:** 1 & 2

**Credit:** 3.0(1 for class/2 for work)

**Prerequisite/Grade Recommendation:** Departmental application

(Regional ID# AL232)

**Fees:** Students are required to purchase workbook.

**Description:** This is a cooperative work-training program designed to provide vocational training and technology preparation for an occupation on a part-time basis. Students must have career objectives related to retail, office, trade and industrial, health, family and consumer sciences or agriculture. Students are enrolled in four school classes, including one related WI class. Emphasis is placed on the work experience rather than the earnings. Each training station must be approved and provide each student with a minimum of 15 hours of work per week. The student must provide his/her own transportation and have parental approval for acceptance into the program. The program is applicable for those wanting to attend college as well as those wanting full-time employment following graduation. *This course can be used to meet the consumer education requirement for graduation.*

# Career & Technical Education – Family Consumer Science

## Child Development

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5 (Regional ID# H105)

**Prerequisite:** None

**Fees:** Students are required to purchase workbook.

**Description:** This course covers the growth and development of children beginning in the prenatal stages through age three. The course analyzes all aspects of children’s development including: physical, intellectual, social, emotional, and moral development. Course content also includes the study of family and parenting skills, effects of teen pregnancy, labor and delivery, developmental challenges, and birth defects.

## Teaching the Pre-school Child

**Grade Open To:** 10-12

**Term:** 1 or 2

**Credit:** 0.5 (Regional ID# H212)

**Prerequisite:** Child Development

**Fees:** Students are required to purchase workbook.

**Description:** This course expands upon the knowledge learned in Child Development further analyzing the physical, social, intellectual, emotional, and moral development of children ages three to five years old. During this course, students will apply the content learned by writing and teaching lesson plans at the preschool pertaining to language, arts and crafts, discovery, music, and group games while creating a portfolio of their work.

## Elementary Teaching Internship

**Grade Open To:** 11-12

**Term:** 1 or 2

**Credit:** 0.5 (Regional ID#H222)

**Prerequisite:** Teaching the Pre-School Child

**Fees:** Students may be required to purchase workbook.

**Description:** This course will continue to enhance students’ knowledge of child development while gaining valuable experience working with children and collaborating with elementary school teachers. Students will primarily travel to the elementary schools to assist elementary teachers in their classrooms and further work on their portfolios while teaching lesson plans and creating a professional resume. In addition, students in the course may work toward obtaining their Child Development Associate credential.

## Fashion 1

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5 (Regional ID# H103)

**Prerequisite:** None

**Fees:** Students are required to purchase fabric, and other items for projects.

**Description:** This course teaches an overview of clothing construction skills, textiles, and the fashion industry. Throughout the semester, the student will alternate between sewing lab projects and learning applicable content related to clothing, textiles, and fashion. Topics include cultural influences of fashion, evolution of fashion history, fashion styles, prominent fashion designers, as well as, global fashion capitals and careers.

# Career & Technical Education – Family Consumer Science

## Fashion 2

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5 (Regional ID# H104)

**Prerequisite:** Fashion 1

**Fees:** Students are required to purchase fabric and other items for projects.

**Description:** This course expands upon the knowledge learned in Clothing, Textiles & Fashion I as students learn more about the fashion industry and construct garments of higher skill and difficulty. The course content focuses more on clothing design including a focus on the use of color as well as different textiles, fibers, and fabric finishes. Students will learn how to care for clothing, make alterations, and repurpose existing clothing. Throughout the semester students will create a fashion portfolio to serve as a representation of their work while also demonstrating advanced sewing techniques and methods in their garment projects.

## Culinary Arts 1

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5 (Regional ID#H101)

**Prerequisite:** None

**Fees:** Students are required to purchase workbook.

**Description:** This course includes introductory classroom and laboratory experiences needed to develop knowledge and understanding of the foundations of food principles and applied nutrition. The course content centers around the following areas: promoting food service and preparation management using a decision-making process; meeting basic needs by applying nutritional concepts; meeting health and safety needs in planning, preparing and serving food; maximizing resources when planning; promoting hospitality in food practices; and analyzing nutritional needs. This course offers the development of employability skills, transitional skills, and vocational skills.

## Culinary Arts 2

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5 (Regional ID# H102)

**Prerequisite:** Culinary Arts 1

**Fees:** Students may be required to purchase workbook.

**Description:** In this intermediate level culinary course, more attention is paid to food selection and preparation of specific culinary focuses. Laboratory activities are devoted to preparation of foods with specific characteristics. The course includes the following major units: careers in food service and human nutrition; cultural and geographical influence on food customs, current nutritional issues, egg preparation, dairy products, meat preparation, cake decorating, pastry, garnishing, candy, and cultural cuisine. The development of employability skills, transitional skills, and vocational skills are included in this course.

## **Culinary Arts 3**

**Grade Open To:** 10-12

**Term:** 1 or 2

**Credit:** 0.5 (Regional ID# H224)

**Prerequisite:** Culinary Arts 1 and 2

JJC CA 106 App. Food Serv. San. 2.0 cr. hr.

**Fees:** Students may be required to purchase a workbook

**Dual Credit:** Available only to 11-12

**Description:** This advanced level course encompasses more complex food preparation methods. Included are safety and sanitation standards, mise en place, culinary occupations, advanced equipment, fruit presentation, kitchen staples and cooking methods, sauce and stock preparation, advanced baking, fish preparation, desserts, event planning, and catering and serving events. *Course offering dependent upon teacher availability and JJC approval.*

## **Parenting**

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5 (Regional ID# H202)

**Prerequisite:** None

**Fees:** Students are required to purchase workbook.

**Description:** This course provides an overview of child development principles while incorporating findings from recent research regarding the development of the brain, parenting styles, and discipline theories. The aim of this course is to better prepare students for the rewards and responsibilities of parenting and working with children. Topics covered throughout the semester include responsible parenting, personal readiness, health and safety of children, effective parenting skills, and facing family challenges.

## Architectural CAD 1

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5

**(Regional ID# I287)**

**Prerequisite:** Technical CAD

**Description:** Students will become familiar with fundamental architectural design principles and styles. Students will learn how residential structures are taken from a concept to a physical reality. Using AutoCAD and Architectural Desktop software, students produce floor plans, elevations, and wall sections. New construction versus remodeling is covered. Computer Assisted Drafting (CAD) is used for all drafting. This class is required for Architectural CAD II. This is a good background course for design, architecture, and engineering college majors.

## Architectural CAD 2

**Grade Open To:** 10-12

**Term:** 1 or 2

**Credit:** 0.5

**(Regional ID# I288)**

**Prerequisite:** Architectural CAD 1

**Description:** Students will become familiar with building codes, area planning, specifications, building details, schedules, costs, and designs. Students will design a home of their own choice, drawing all necessary plans including: floor, elevations, plot, foundation, stair detail, roof layout, window and door schedules, and interior details. Architectural Desktop (CAD) is used for all drafting. This is a good background course for design, architecture, and engineering college majors.

## 3D CAD/Solid Modeling

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5

**(Regional ID# I223)**

**Prerequisite:** Technical CAD 1

**Description:** Students will learn advanced AutoCAD software and techniques to produce three-dimensional solids. Emphasis will be on creating and rendering 3-D shapes by using primitives and extruding. Modifying and editing commands will be introduced as well as dimensioning and printing. This is a good background course for any student interested in a career in design and/or engineering.

## Engineering CAD

**Grade Open To:** 10-12

**Term:** 1 or 2

**Credit:** 0.5

**(Regional ID# I230)**

**Prerequisite:** 3D CAD/Solid Modeling

**Description:** Demonstration of basic and advanced Inventor knowledge and technique to produce 3-D parts, models, assemblies, and drawings will be emphasized in this course. Autodesk Inventor software will be used. Students will use commands to construct various types of 3-D drawings. Editing, modifying, dimensioning, and printing will be emphasized.

## CAD Studio

**Grade Open To:** 10-12

**Term:** 1 or 2

**Credit:** 0.5 (Regional ID# I283)

**Prerequisite:** Architectural CAD 2 or Engineering CAD

**Description:** Students will research, design, and develop an extensive culminating project relying on their previous CAD training in either Architectural CAD II or Engineering CAD. Student will periodically evaluate project status, make appropriate modifications, and document project from beginning to completion. Upon completion of project, student will make a presentation to the instructor and class.

## Technical CAD

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5

**(Regional ID# I114)**

**Prerequisite:** None

**Description:** Students will be introduced to the fundamentals of the AutoCAD computer aided drafting and design software. Students will learn how to construct, edit, dimension, scale, and print various types of technical drawings. These include geometric, orthographic, multi-view, sectional view, and three-dimensional and isometric drawings. This class is required for enrollment in Architectural CAD 1 and 3D CAD/Solid Modeling. This is a good background course for any student interested in a career design, architecture, and/or engineering.

# English

## Creative Writing

**Grade Open To:** 10-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** None

**Description:** This course is designed for students who have above-average language skills and wish to study and write short stories, poems, plays, and other forms of creative expression. Students are required to write daily and produce a portfolio of completed work during the semester. In addition, students are required to submit writings for publication and orally present various writings to the class. ***This course may be taken for elective credit only and does not count toward English credit for graduation.***

## English I

**Grade Open To:** 9

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Fees:** Cost of required novels

**Description:** Students will read a variety of texts to analyze key ideas, details, and structures with the goal of summarizing information, creating inferences, and evaluating author's purpose. Additionally, students will express themselves across all writing formats, using standardized writing procedures and language, to develop a central idea, maintain a coherent focus, and elaborate the points made with relevant research and/or examples. Finally, students will engage in formal and informal verbal discourse to exchange ideas effectively.

## English I Honors

**Grade Open To:** 9

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Fees:** Cost of required novels

**Description:** Students will analyze various texts in order to identify and examine author's purpose, locate details and examine characters' relationships in complicated literature. Students will use textual evidence to create meaning and understand the effect of a text's style and craft. Students will also read texts to generate inferences, and draw conclusions about people and ideas through reading, writing, and speaking. An advanced level of reading, extensive writing, and active class participation are required. ***This course carries a weighted grade and may require summer reading. Please refer to your school's web site for more information.***

## English II

**Grade Open To:** 10

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Fees:** Cost of required novels

**Description:** Students will analyze various works in different artistic mediums to evaluate how authors craft their prose to establish a purpose. Through writing, students construct diverse writing products using complex materials and specialized sources to formulate a central idea, maintain a coherent focus, and elaborate with relevant research and/or examples. Through a variety of speaking situations, students will use formal and academic English appropriate for a purpose.

# English

## English II Honors

**Grade Open To:** 10

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Fees:** Cost of required novels

**Description:** Students will use complex literature to infer main ideas to examine author's approach and locate important details. Students will sequence events, identify character and cause and effect relationships, and use context to understand a text's style and craft. Students will use details to draw conclusions regarding people and ideas in more challenging passages through reading, writing, and speaking. An advanced level of reading, extensive writing, and active class participation are required. *This course carries a weighted grade and may require summer reading. Please refer to your school's web site for more information.*

## English III

**Grade Open To:** 11

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Fees:** Cost of required novels

**Description:** Students will analyze various complicated works by dissecting structure of text, assessing point of view, and determining themes. Through writing, students will develop an argument by comparing various ideas and themes, making inferences, citing specific textual evidence and/or relevant research to support relationships between selections. Through a variety of collaborative speaking situations, students will use formal and academic English appropriate for a purpose.

## English IV

**Grade Open To:** 12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Fees:** Cost of required novels

**Description:** Students will interpret and analyze multiple complex literary and informative texts independently and proficiently in order to evaluate author purpose and approach. They will synthesize information and evidence from diverse media sources to communicate findings in various well-organized and audience appropriate formats. Through both written and verbal expression, students will construct unique arguments, appropriate to style and task, that present substantive ideas rooted in analysis, reflection, and research that demonstrate a strong command of Standard English grammar and elevated academic language.

## AP English: Language and Composition

**Grade Open To:** 11 or 12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Fees:** Cost of required novels

**Description:** This course is designed to develop students' abilities in using grammatical conventions appropriately and to advance stylistic maturity in their prose writing. Further, this course will advance the reading and critical analytical skills through a variety of contexts, periods, and disciplines. Students will prepare for the Advanced Placement Language and Composition Examination through reading, discussion, analysis, and practice testing. The writing component of this college level course includes expository, analytical, and argumentative writing. Students perform college level work and are expected to take the Advanced Placement Language Composition exam. *This course carries a weighted grade and may require summer reading. Please refer to your school's web site for more information.*

# English

## AP English: Literature and Composition

**Grade Open To:** 12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Fees:** Cost of required novels

**Description:** An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone (College Board, 2013). Students perform college level work and are expected to take the Advanced Placement Literature and Composition exam. ***This course carries a weighted grade and may require summer reading. Please refer to your school's web site for more information.***

## Journalism 1: Advanced Writing

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Description:** This course is designed for those students who wish to expand their writing skills by studying news, feature, and editorial writing. Students study professional models as a way to learn the techniques of journalistic research and writing. Their articles are submitted for publication in the school newspaper and other area publications. Students also read a daily newspaper once a week. Students enrolled in journalism are expected to participate in creating the school newspaper; therefore, interviewing and speaking skills are also taught. The ability to meet deadlines is imperative. This course is required for students who would like to serve as editors of the school newspaper. ***This course may be taken for elective credit only and does not count toward English credit for graduation.***

## Journalism 2

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Journalism 1: Advanced Writing

**Description:** This course is designed for those students who have completed Journalism I: Advanced Writing and wish to improve their journalistic writing skills by working on school publications. Students enrolled in this course serve as editors of the school newspaper and work on in-depth reports for class projects. Readings include daily newspapers and news magazines. ***This course may be taken for elective credit only and does not count toward English credit for graduation.***

# English

## Rhetoric 1

**Grade Open To:** 12

**Term:** 1

**Credit:** 0.5 toward graduation

JJC English 101 Rhetoric-3.0 cr. hrs.

**Prerequisite:** Completed Accuplacer test through JJC with a minimum score of \_\_\_\_\_; minimum grade of “C” in all previous JJC courses.

**Fees:** Payment of Joliet Junior College tuition and purchase of college textbooks

**Description:** This course is designed to teach writing skills necessary for success in college. It is required for students intending to continue in a baccalaureate program. Special emphasis is placed upon summary writing, exposition, and argumentation. This course is offered as a dual credit course through Joliet Junior College.

Students who successfully complete this course receive 3.0 semester hours of credit for English 101 – Rhetoric at JJC.

***This course carries a weighted grade. Course offering dependent upon teacher availability and JJC approval.***

## Rhetoric 2

**Grade Open To:** 12

**Term:** 2

**Credit:** 0.5 toward graduation

JJC English 102 Rhetoric-3.0 cr. hrs.

**Prerequisite:** Successful completion of Rhetoric 1, and a minimum grade of “C” in all previous JJC courses.

**Fees:** Payment of Joliet Junior College tuition and purchase of college textbooks.

### **Description:**

This course provides continued training and practice in composition, as well as employing examples of literary genres to help students develop their writing competencies. A 2,500+ word research paper is required. This course is offered as a dual credit course through Joliet Junior College. Students who successfully complete this course receive 3.0 semester hours of credit for English 102 – Rhetoric at JJC. ***This course carries a weighted grade. Course offering dependent upon teacher availability and JJC approval.***

## Reading 1

**Grade open to:** 9 -12

**Term:** 1 & 2

**Credit** 1.0

**Prerequisite:** Placement only

**Description:** This course is intended to improve reading comprehension, fluency, vocabulary skills, critical thinking skills and reading rate in practical and academic reading. Students enrolled in this course are also enrolled in an English course. ***This course may be taken for elective credit only. This course does not count toward English credit for graduation.***

## Reading 2

**Grade Open To:** 10-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** Placement only

**Description:** This course is intended to improve academic reading skills, focusing on implied information and relationships within texts and across genres. Students enrolled in this course are also enrolled in an English course. ***This course may be taken for elective credit only and does not count toward English credit for graduation.***

# English as a Second Language (ESL)

## ESL 1

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit** 2.0

**Prerequisite:** W-APT and/or ACCESS Level

**(English 1.0 and Elective 1.0)**

**Fees:** Students may be required to purchase workbook.

**Description:** This course is an intensive English language course designed to prepare students for reading, writing, speaking, listening, and critical thinking skills necessary for academic coursework and lifelong success. There is a strong focus on communication skills. The writing component entails the advancement of skills in descriptive, narrative, expository, and persuasive writing topics and culminates with a research paper. Students will study a variety of themes and literary genres through analysis of reading selections. Written and oral communication will be further developed through small-group presentations, demonstration, and oral reports using academic language. Course may be repeated for credit.

## ESL 2

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0 or 2.0

**Prerequisite:** W-APT and/or ACCESS Level

**(English 1.0 and/or Elective 1.0)**

**Fees:** Students may be required to purchase workbook.

**Description:** This course will continue the process of acculturation and help students understand and produce more complex oral and written language. Students will continue to participate in activities that reinforce listening, speaking, reading, and writing skills in the content areas. Students will study and interpret a variety of literary genres and produce a variety of forms of writing. Grammar study emphasizes elimination of usage and mechanical errors in writing. Through meaningful activities, students will develop their oral presentations skills and acquire study skills (including note-taking and summarizing skills) that will enhance their ability to learn and succeed in content area classes. Students will study and interpret a variety of grade level texts and develop oral communication/listening skills through participation in informal debates and seminars. Course may be repeated for credit.

## ESL 3

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0 or 2.0

**Prerequisite:** W-APT and/or ACCESS Level

**(English 1.0 and/or Elective 1.0)**

**Fees:** Students may be required to purchase workbook.

**Description:** This course is designed for students to continue to develop the reading, writing, speaking, listening, critical thinking, and oral presentation skills required for all subjects at the college setting. Students will be encouraged to further develop independence in reading literary works (fiction, plays, autobiographical and biographical readings) and academic texts, in writing essays and narratives, and applying learning strategies and research skills in preparation for the rigor of college. Students will be required to respond critically to print and media works. This course prepares students to use English with increasing accuracy in classroom and social situations and to participate in society as informed students. Course may be repeated for credit.

# English as a Second Language (ESL)

## ESL Bridge

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0 (Elective)

**Prerequisite:** ACCESS Level

**Fees:** Students may be required to purchase workbook.

**Description:** This course is designed for students who have demonstrated proficiency in listening, speaking, reading, writing, and study skills necessary for success in the mainstream classroom. Students will continue to develop the reading, writing, and oral presentation skills required for all subjects at the college setting. Students will be encouraged to further develop independence in reading literary works and academic texts, in writing essays and narratives, and applying learning strategies and research skills in preparation for the rigor of college. Students will be required to respond critically to print and media works. This course prepares students to use English with increasing accuracy in classroom and social situations and to participate in society as informed students. Course may be repeated for credit.

# Fine Arts/World Languages - Art

## Art Foundations

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Fees:** Students are required to purchase additional supplies.

**Description:** This course is an academic approach to the media, methods, and techniques needed to produce objective two-dimensional and three-dimensional artwork. The goal of this course is to provide each student with a foundation through exposure to a variety of media while covering the elements and principles of design. The class focuses on 2D and 3D media including black and white drawing, colored media, painting, sculpture and digital technology.

## Advanced Drawing

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Art Foundations

**Fees:** Students are required to purchase additional supplies.

**Description:** Students use their prior knowledge of the elements and principles of design from the Art Foundations course to explore a wider variety of media with more intensity, while composing artwork that emphasizes originality and creativity.

## Art History

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Fees:** Students are required to purchase additional supplies.

**Description:** This course explores some of the influential cultures, themes and artistic movements that have impacted our society today and through the ages. The student will be prepared to approach the study of art through the analysis of art works, composition, art materials, and styles within a historical context. Students will demonstrate their understanding of the course objectives through verbal discussion and written critique.

## Ceramics 1

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** None

**Fees:** Students are required to purchase additional supplies.

**Description:** The goal of this course is to introduce students to the medium of clay. Students become familiar with many hand-building techniques to produce art work throughout the semester, based on preliminary drawings. Some techniques covered include pinch, coil, slab, and sculpture. Each project takes approximately three weeks from pencil and paper design to glazing.

## Ceramics 2

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** Ceramics 1

**Fees:** Students are required to purchase additional supplies.

**Description:** The goal of this course is to continue the techniques and skills of working with clay, with a more individual and intense approach to art work. The technique of wheel throwing is introduced during this semester, which broadens and enhances the student's knowledge of ceramic production.

# Fine Arts/World Languages - Art

## Advanced 3D

**Grade Open To:** 11-12

**Term:** 1 or 2

**Credit:** 1.0

**Prerequisite:** Ceramics 2 and Sculpture 2

**Fees:** Students are required to purchase additional supplies.

**Description:** Students will investigate, demonstrate and evaluate media and techniques of three-dimensional form as well as refine skills and knowledge to develop advanced techniques to validate personal style in their three-dimensional art work.

## Commercial Design

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Digital Illustration and Design or teacher recommendation (Grade 10)

**Fees:** Students are required to purchase additional supplies.

**Description:** Students will investigate, demonstrate, and evaluate media and techniques in two-dimensional and three dimensional applications in order to differentiate art as a commodity representing a variety of demographics.

## Digital Illustration and Design

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Art Foundations

**Fees:** Students are required to purchase additional supplies.

**Description:** Students will investigate, demonstrate, and evaluate industry standard software and peripheral devices to develop computer generated images.

## Painting

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Advanced Drawing

**Fees:** Students are required to purchase additional supplies.

**Description:** This course will focus on the fine art of painting with watercolor, acrylic, and oils, which will be utilized to develop projects that are original in design and encourage creativity through painting.

## Sculpture 1

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** None

**Fees:** Students are required to purchase additional supplies.

**Description:** The goal of this course is to introduce students to three-dimensional artwork. Students are exposed to traditional techniques and concepts of sculpture using additive and subtractive processes in a variety of media. Students also explore the sculptor's impact on and connection to societies and cultures of the past and present.

# Fine Arts/World Languages - Art

## Sculpture 2

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** Sculpture 1

**Fees:** Students are required to purchase additional supplies.

**Description:** The goal of this course is to study the techniques and methods for the creation of three-dimensional artwork more intensively. Students continue to use additive and subtractive processes within a variety of media. Students also experience a more comprehensive examination of the impact and connection of sculpture to societies and cultures of the past and present.

## AP Studio Art (Drawing, 2D, and 3D)

**Grade Open To:** 12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Minimum of three full-year art classes

**Fees:** Students are required to purchase additional supplies.

**Description:** AP Studio Art is an Independent Study Course designed for highly motivated students who are seriously interested in the study of art; the program demands significant commitment. The experience will culminate with a prepared portfolio that should be submitted to the College Board for approval. Students will be expected to work both in the classroom and out, beyond the scheduled periods.

*This course carries a weighted grade.*

## Digital Photography and Imaging 1

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Art Foundations

**Fees:** Students are required to purchase additional supplies.

**Description:** The goal of this course is to provide an introduction to the computer as a media tool in conjunction with basic Photographic skills. Students will become familiar with photographic composition and learn basic software tools and techniques using current industry standard software and peripheral devices, culminating in digital images.

## Digital Photography and Imaging 2

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Digital Photography and Imaging 1

**Fees:** Students are required to purchase additional supplies.

**Description:** This course will incorporate current computer software in conjunction with acquiring advanced photographic skills when using a digital camera. Projects are designed to cultivate camera handling and knowledge, to help students become familiar with types of photography, and to learn advanced software tools and techniques.

# Fine Arts/World Languages – Music

## Concert Band

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Audition

**Fees:** Co-Curricular Fee

**Description:** The Concert Band focuses on the development and reinforcement of fundamental playing skills. Freshmen and new students are automatically placed in this ensemble and must audition to enter the Symphonic Band. Auditions determine chair and band placement. The high school Concert Band performs repertoire that provides formative experiences in developing its musicianship. Students are evaluated by their in-class and out-of-class preparation. During August, September, and October, class content emphasizes marching, both parade and field. After marching season, students will concentrate on concert preparation. Students enrolled are required to attend out-of-school functions, such as concerts, parades, field trips, and extra rehearsals/sectionals.

## Symphonic Band

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Audition

**Fees:** Co-Curricular Fee

**Description:** If the band program enrollment dictates two bands, the Symphonic Band will be the top-performing group of the high school bands. The student enters the group through an audition. The Symphonic Band performs music in a variety of styles. The “Comprehensive Musicianship” approach is used to acquaint the student with numerous aspects of music, including historical periods and harmonic and melodic characteristics. Performance is the focal point of the class. Students are evaluated by their in-class and out-of-class preparation. During August, September, and October, class content emphasizes marching, both parade and field. After marching season, students will concentrate on concert preparation. Students enrolled are required to attend out-of-school functions, such as concerts, parades, field trips, and extra rehearsals/sectionals.

## Wind Ensemble

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Audition

**Fees:** Co-Curricular Fee

**Description:** If the band program enrollment dictates three bands, the Wind Ensemble will be the top-performing group of the high school bands. Students enter the group through an audition. The Wind Ensemble performs music in a variety of styles. The “Comprehensive Musicianship” approach is used to acquaint the student with numerous aspects of music, including historical periods and harmonic and melodic characteristics. Performance is the focal point of the class. Students are evaluated by their in-class and out-of-class preparation. During August, September, and October, class content emphasizes marching, both parade and field. After marching season, students will concentrate on concert preparation. Students enrolled are required to attend out-of-school functions, such as concerts, parades, field trips, and extra rehearsals/sectionals.

# Fine Arts/World Languages - Music

## Concert Choir

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Audition

**Fees:** Co-Curricular Fee

**Description:** Concert Choir is open by audition to students with a proficiency in vocal and sight-reading skills.

The curriculum is based on advanced concepts of music theory relating to tonality, vocal technique, and sight-reading. Attendance is required at seasonal concerts and after-school rehearsals throughout the year. Additional required performances and festivals may be scheduled.

## Mixed Choir

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Fees:** Co-Curricular Fee

**Description:** Mixed Choir is open to all students. No previous choral experience is necessary. The ensemble performs traditional choral literature at concerts throughout the year. The curriculum is based on basic concepts of vocal fundamentals and music theory. Students learn solfege, notational skills, and the basics of sight-reading. Attendance is required at seasonal evening concerts and after-school rehearsals.

## Treble Choir

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Audition

**Fees:** Co-Curricular Fee

**Description:** Treble Choir is open by audition to students with choral experience; students will be placed with consent from the instructor. The curriculum is based on intermediate concepts of vocal fundamentals and music theory. Emphasis is placed on sight-reading. Students perform choral literature of all styles. Attendance is required at seasonal evening concerts and after-school rehearsals throughout the year. Additional required performances and festivals may be scheduled.

## Commercial Music Production

**Grade Open To:** 10-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** None

**Description:** Using available and emerging technology, students will construct a record company through the development of various design, production, and legal departments resulting in the creation and distribution of an original, professional-grade recording (CD) of selected artists. Topics such as MIDI, digital recording, sequencing, mixing, and computer-aided sound engineering are covered. Students will learn to use digital recording equipment by recording both music department rehearsals and concerts and extra-curricular ensembles. Outside-of-school time may be required.

# Fine Arts/World Languages - Music

## Exploration of American Music

Term: 1 or 2

Credit: 0.5

Grade Open to: 9-12

Prerequisite: None

JJC Music 102 Exploration of American Music 3.0 cr. hrs.

Fees: None

**Description:** A survey course dealing with important people and trends in the evolution and development of American musical culture from colonial times to the present. *This course carries a weighted grade. Course offering dependent upon teacher availability and JJC approval.*

## Music Survey

Grade Open To: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

**Description:** This course is an overview of music from various cultures throughout history with an emphasis on popular music of the 20th and 21st centuries. Special emphasis is given to major forms and composers, as well as the instruments and characteristics of the stylistic periods of music history. The course also includes considerable time listening to musical performances. Students may be required to attend concerts, musical programs, and other night events.

## Music Theory

Grade Open To: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

**Description:** Students learn the basics of reading and writing music. This course is suitable for students with any background and gives all students a better understanding of music. The course also helps prepare musicians who are interested in college music major.

## AP Music Theory

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Music Theory

Fees: Students are required to purchase workbook.

**Description:** This course is a continuation of Music Theory 1 and will give students a better understanding of composition, arranging, and harmonic analysis. This course is suggested for students who have a serious interest in music or are interested in pursuing music beyond high school. The ultimate goal of an AP Music Theory course is to develop a student's ability to recognize, understand, and describe the materials and processes of music that are heard or presented in a score. The student's ability to read and write musical notation is fundamental to this course. It is also assumed that the student has acquired at least basic performance skills in voice or an instrument. Students perform college level work and are expected to take the Advanced Placement exam. *This course carries a weighted grade.*

# Fine Arts/World Languages - World Languages

## American Sign Language 1 (ASL)

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Fees:** Students are required to purchase workbook.

**Description:** This class introduces students to the Deaf culture, vocabulary words for this new language, and correct grammatical and syntactical rules. Students present about parts of Deaf culture in the United States, autobiographies, and sentences to show their expressive skills. They are also tested on their knowledge of the Deaf culture and their ability to understand signing when presented to them by the teacher.

## American Sign Language 2 (ASL)

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** American Sign Language 1

**Description:** This course continues vocabulary building while expanding students' knowledge of the Deaf culture, grammar, and syntactical rules. Students will be able to converse with others using full ASL sentences, including appropriate grammar and tenses. They will create and present ASL literature/stories, sign biographies of members of the Deaf community, and create ASL books.

## American Sign Language 3 (ASL)

**Grades Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** American Sign Language 1 & 2

**Description:** Students will continue to acquire advanced-intermediate communicative skills in the target language, based on signing and reading sign language. Using a variety of materials, students will communicate learned concepts by signing in ASL. Students will use a variety of signing styles, depending on the environment, situation, and audience. Students will participate in discussions about cultural and historical topics relating to the Deaf community.

## American Sign Language 4 (ASL)

**Grades Open To:** 12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** American Sign Language 3

**Description:** In this course, students will continue to expand and improve their interpersonal, interpretive, and presentational skills. The development of expressive and receptive skills will occur while learning more about the history of the Deaf community. Students will also study social issues through ASL literature and storytelling. Current events and topics related to ASL and the Deaf community will be discussed in the target language.

# Fine Arts/World Languages - World Languages

## French 1

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Fees:** Students are required to purchase workbook.

**Description:** Students are engaged in the French language through reading, writing, listening, and speaking. An emphasis is placed on acquiring basic vocabulary, verb tenses, and grammatical structures to develop communication skills. Students also learn about France and other French-speaking cultures.

## French 2

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** French 1

**Fees:** Students are required to purchase workbook.

**Description:** This course begins with a general review of French 1, followed by more complex vocabulary, verb tenses, and grammar. Students are engaged in daily French conversation and composition. Reading selections are introduced to further expand a student's competence in French. The study of French-speaking customs and cultures is an integral part of this level.

## French 2 Honors

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** French 1

**Fees:** Students are required to purchase workbook.

**Description:** This course features an enhanced French 2 curriculum designed to increase French proficiency through extended lessons in grammar, vocabulary, and supplementary materials. This class moves at a faster pace than French 2. Students in this course are expected to advance to French 3 Honors and ultimately to Advanced Placement French. *This course carries a weighted grade.*

## French 3

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** French 2 or French 2 Honors

**Fees:** Students are required to purchase workbook.

**Description:** After a brief review of French 2, more emphasis is given to daily oral communication, as well as the study of advanced French grammar and composition. Students participate in an in-depth study of French-speaking cultures, including authentic literary works.

# Fine Arts/World Languages - World Languages

## French 3 Honors

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** French 2 or French 2 Honors

**Fees:** Students are required to purchase workbook.

**Description:** This course moves at a faster pace than French 3, picking up from the curriculum of French 2 Honors. A student's skills in French are enhanced by covering more material and by increased practice in speaking, reading, and writing. Students are expected to continue their study of French in Advanced Placement French. *This course carries a weighted grade.*

## French 4

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** French 3 or French 3 Honors

**Description:** Students are introduced to French history and the works of famous French writers. Students read and study the correlation of the literature to the social and economic conditions of France. Students are required to communicate in French.

## AP French Language & Culture

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** French 3 or French 3 Honors

**Fees:** Students are required to purchase workbook.

**Description:** This course is intended for students who already have a good command of French grammar and vocabulary and have competence in listening, reading, speaking, and writing. This course seeks to develop language skills that can be used in various activities and disciplines through materials such as textbooks and anthologies, audio and video recordings, films, newspapers, and magazines. Extensive training in the organization and writing of compositions is also emphasized. Students perform college level work and are expected to take the Advanced Placement exam. *This course carries a weighted grade.*

## German 1

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Fees:** Students are required to purchase workbook.

**Description:** Vocabulary and everyday German expressions are emphasized in order to promote conversational expression. Extensive work is done in German grammar to build a strong foundation and strengthen the student's knowledge base. The culture, history, and geography of the German-speaking people are also studied to provide a well-rounded first year.

# Fine Arts/World Languages-World Languages

## German 2

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** German 1

**Fees:** Students are required to purchase workbook.

**Description:** Conversational and written German is emphasized to expand communicative functions in the language, while basic grammatical structures are completed. New vocabulary and higher-level grammatical structures are introduced. The study of culture, history, and geography are continued.

## German 2 Honors

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** German 1

**Fees:** Students are required to purchase workbook.

**Description:** This course features an enhanced German 2 curriculum to increase German proficiency through extended lessons in grammar, vocabulary and supplementary materials. This class moves at a faster pace than German 2. Students in this course are expected to advance to German 3 Honors and ultimately to Advanced Placement German. *This course carries a weighted grade.*

## German 3

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** German 2 or German 2 Honors

**Fees:** Students are required to purchase workbook.

**Description:** Vocabulary is expanded and more complex grammatical structures are introduced. Readings come from a variety of literary sources and cover both fiction and non-fiction. Communicating in the language is stressed, with a focus on the development of a theme in both speaking and writing. Culture will focus on art, music, architecture, and history.

## German 3 Honors

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** German 2 or German 2 Honors

**Fees:** Students are required to purchase workbook.

**Description:** This course moves at a faster pace than German 3, picking up from the curriculum of German 2 Honors. A student's skills in German are enhanced by covering more material and by increased practice in speaking, reading, and writing. Students are expected to continue their study of German in Advanced Placement German. *This course carries a weighted grade.*

## German 4

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** German 3 or German 3 Honors

**Description:** Modern German literature is read and grammar is refined. Literature includes short stories, poetry, and plays. The survey of German history and culture is completed. Written compositions and oral conversations are emphasized.

# Fine Arts/World Languages-World Languages

## AP German Language & Culture

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** German 3 or German 3 Honors

**Description:** AP German is intended for students who already have a good command of German grammar and vocabulary and have competence in listening, reading, speaking, and writing. This course seeks to develop language skills that can be used in various activities and disciplines through materials such as textbooks and anthologies, audio and video recordings, films, newspapers, and magazines. Extensive training in the organization and writing of compositions is also emphasized. Students perform college level work and are expected to take the Advanced Placement exam. *This course carries a weighted grade.*

## Spanish 1

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Fees:** Students are required to purchase workbook.

**Description:** In this course, emphasis is placed on building a foundation of basic vocabulary and grammar in order to develop the student's abilities to read, write, speak, and listen in the Spanish language. The culture and customs of the Spanish-speaking people are also introduced.

## Spanish 2

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Spanish 1

**Fees:** Students are required to purchase workbook.

**Description:** After a brief review of Spanish 1, this course emphasizes the ability to understand and use the Spanish language. The study of Spanish grammar and vocabulary continues to enhance the student's skills in reading, writing, listening, and speaking, and involves more difficult Spanish concepts. The customs and cultures of Spanish speaking countries remain a central element in the second-level program.

## Spanish 2 Honors

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Spanish 1

**Fees:** Students are required to purchase workbook.

**Description:** This course features an enhanced Spanish 2 curriculum designed to increase Spanish proficiency through extended lessons in grammar, vocabulary and supplementary materials. This class moves at a faster pace than Spanish 2. Students in this course are expected to advance to Spanish 3 Honors and ultimately to Advanced Placement Spanish Language. *This course carries a weighted grade.*

# Fine Arts/World Languages-World Languages

## Spanish 3

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Spanish 2 or Spanish 2 Honors

**Fees:** Students are required to purchase workbook.

**Description:** After a brief review of Spanish 2, this course focuses on oral communication and involves the study of complex Spanish grammar, composition, and culture. Selected readings become more challenging and supplementary mini-units are included to reinforce new vocabulary, grammar, and culture.

## Spanish 3 Honors

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Spanish 2 or Spanish 2 Honors

**Fees:** Students are required to purchase workbook.

**Description:** This course moves at a faster pace than Spanish 3, picking up from the curriculum of Spanish 2 Honors. A student's skills in Spanish are enhanced by covering more material and by increased practice in speaking, reading, and writing. Students are expected to continue their study of Spanish in Advance Placement Spanish Language. *This course carries a weighted grade.*

## Spanish 4

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Spanish 3 or Spanish 3 Honors

**Fees:** Students are required to purchase workbook.

**Description:** This course further develops the skills of reading, writing, listening, and speaking, and is also an advanced study of the various Spanish-speaking cultures, highlighting their history, geography, literature, and customs. Vocabulary acquisition and grammatical study are also emphasized. This course prepares students for post-secondary Spanish studies.

## AP Spanish Language & Culture

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Spanish for Heritage Speakers 2, Spanish 3, or Spanish 3 Honors

**Fees:** Students are required to purchase workbook.

**Description:** This course is intended for students who wish to develop proficiency and integrate their language skills using authentic materials and sources. Students who enroll should already have knowledge of the language and cultures of Spanish-speaking peoples and should have attained a reasonable proficiency in using the language. The course is meant to be comparable to college and university courses that focus on speaking and writing in the target language at an advanced level. Reading is extensive and Spanish will be used in speaking opportunities in both interpersonal and presentational modes. Writing is practiced through both formal and informal tasks. Students perform college level work and are expected to take the Advanced Placement exam. *This course carries a weighted grade.*

# Fine Arts/World Languages–World Languages

## AP Spanish Literature & Culture

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Spanish 3, Spanish 3 Honors, or Spanish for Heritage Speakers 2

**Fees:** Students are required to purchase workbook.

**Description:** The AP Spanish Literature course is designed to provide students with a learning experience equivalent to that of a third-year college course in Peninsular and Latin American Literature. The course is designed to introduce students to the formal study of a representative body of Peninsular and Latin American literary texts. Students perform college level work and are expected to take the Advanced Placement exam.

*This course carries a weighted grade.*

## Spanish for Heritage Speakers 1

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Placement test or teacher recommendation

**Fees:** Cost of selected paperback books

**Description:** This course is designed for students who have had exposure to Spanish at home. Spanish and Latin American culture, history, and language skills will be covered through literature, projects, and supplementary materials. For placement in this class, students are required to demonstrate a degree of Spanish proficiency.

## Spanish for Heritage Speakers 2

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Spanish for Heritage Speakers 1

**Fees:** Cost of selected paperback books

**Description:** This course is a continuation of Spanish for Heritage Speakers 1. Students will continue to extend their vocabulary and grammar skills through creative writing, literature, and projects. Units of study may include, but are not limited to, Hispanic art, immigration, and Spain's influence in the Latino world. Students are encouraged to continue their study of Spanish by taking an advanced course.

# Mathematics

## Algebra 1 Block

Grades Open To: 9

Term: 1 & 2

Credit: 1.0 (elective only)

Prerequisite: Placement only

Fees: None

Description: Students enrolled in Algebra 1 Block (elective credit) will be concurrently enrolled in Algebra 1 (math credit). The purpose of this course is to solidify mathematical understanding in order to adequately prepare students for future math courses in high school. Topics include equations, inequalities and systems of equations and inequalities; graphing polynomial functions, exponential functions, and quadratic functions; and applying the properties of descriptive statistics to problem solving. **Graphing calculator required (TI-84, TI-84+ preferred)**

## Algebra 1

Grades Open To: 9

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Description: This course is the introductory course in the math sequence. Topics include equations, inequalities and systems of equations and inequalities; graphing polynomial functions, exponential functions, and quadratic functions; and applying the properties of descriptive statistics to problem solving. **Graphing calculator required (TI-84, TI-84+ preferred)**

## Algebra 1 Honors

Grades Open to: 9

Term: 1 & 2

Credit: 1.0

Prerequisite: Teacher Recommendation

Description: This course is designed for students who have demonstrated a strong foundation in 8<sup>th</sup> grade math. All of the topics in Algebra 1 are covered in greater depth with enrichments and extensions. Some of the topics included in this course are: linear functions, solving equations, writing and graphing linear, quadratic and exponential functions, systems of equations, rational functions and quadratic functions. **This course carries a weighted grade. Graphing calculator required (TI-84, TI-84+ preferred).**

## Algebra 2

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 1& Geometry

Description: This course provides instruction that covers the following topics: solving equations, inequalities, and systems of equations and inequalities; graphing polynomial functions, conics, exponential, and logarithmic functions; simplifying rational expressions and applying properties of complex numbers and trigonometric ratios to solve problems. **Graphing calculator required (TI-84, TI-84+ preferred).**

## Algebra 2 Honors

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 1, Algebra 1 Honors, *Geometry, or Geometry Honors*

Description: This course is designed for students who have demonstrated a strong foundation in Algebra and/or Geometry. All of the topics in Algebra 2 are covered in greater depth with enrichments and extensions. **This course carries a weighted grade. Graphing calculator required (TI-84, TI-84+ preferred)**

# Mathematics

## AP Calculus AB

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Precalculus Honors or Teacher Recommendation

**Description:** This is a standard first-semester college course in the Calculus of elementary functions. In this course the students will learn the techniques, concepts, and applications of limits, differentiation, and integration. Multiple representations of concepts will be investigated: graphical, analytical, numerical, and verbal. Technology will be integrated throughout the course to develop and enhance the curriculum. Students perform college level work and are expected to take the Advanced Placement exam. ***This course carries a weighted grade. Graphing calculator required (TI-84, TI-84+, TI Nspire CAS preferred, but not permitted on ACT).***

## AP Calculus BC

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Precalculus Honors or Teacher Recommendation

**Description:** This course is equivalent to two full semesters of college calculus. All topics studied in Advanced Placement Calculus AB are included in this course. Additional topics that are taught are: sequences and series, polar coordinates, vector functions, additional integration methods, and differential equations. Students perform college level work and are expected to take the Advanced Placement exam. ***This course carries a weighted grade. Graphing calculator required (TI-84, TI-84+, TI Nspire CAS preferred, but not permitted on ACT).***

## AP Computer Science A

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Computer Programming II

**Description:** The course will provide an object-oriented approach to computer programming, leading to the Advanced Placement exam given in May. The current language used for the AP exam will be used for this class. The student will be required to develop programming and logical thinking skills necessary to solve problems. Students perform college level work and are expected to take the Advanced Placement exam. Current AP language: Java. Internet Use Form must be completed and returned before the first class meeting. ***This course carries a weighted grade. This course may be taken for elective credit only. This course does not count toward Math credit for graduation.***

## AP Statistics

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Algebra 2

**Description:** AP Statistics is an introductory course equivalent to a one-semester college statistics course that is required for a variety of college majors. Its purpose is to introduce major concepts and tools for collecting, analyzing, and drawing conclusions from data. It can be taken individually or concurrently with another math class. Students perform college level work and are expected to take the Advanced Placement exam. ***This course carries a weighted grade. Graphing calculator required (TI-84, or TI-84+ preferred).***

# Mathematics

## Discrete Mathematics & Statistics

**Grade Open To:** 12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisites:** Algebra 1, Geometry, and Algebra 2

**Course Overview:** Discrete mathematics will immerse students in interesting mathematics and actively engage them in "doing" mathematics through topics such as Graph Theory, Election Theory, and Fair Division. As a result, students will strengthen their skills in problem solving, reasoning, conjecturing, communication, analysis, and proof. Students will also learn the concepts that serve as the foundation for the study of probability and statistics. They will see how fields outside of mathematics use statistics to analyze and interpret data to make informed decisions. Students will be introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. **Graphing calculator required (TI-84, TI-84+ preferred).**

## Geometry

**Grade Open To:** 9-10

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Algebra 1

**Description:** This course focuses on congruence, proof, and constructions and the application of those concepts to similarity, circle, trigonometry, polygons, and solids. Connections of Algebra and Geometry will be built through the use of coordinates. **Graphing calculator required (TI-84, TI-84+ preferred)**

## Geometry Honors

**Grade Open To:** 9-10

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Algebra 1 or Algebra 1 Honors

**Description:** This course is designed for the students who have demonstrated a strong foundation in Algebra 1 or Algebra 1 Honors. All of the topics in Geometry are covered in greater depth with enrichments and extensions. Additional topics include demonstration, explanation, and proof of geometric relationships and justification of connections of Algebra and Geometry through coordinates. **This course carries a weighted grade. Graphing calculator required (TI-84, TI-84+ preferred).**

## Computer Programming I

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** Algebra 1 or concurrent enrollment in Algebra 1 Honors

**Description:** Computer logic is an important skill in today's world whether you are interested in business, economics, science, or computer science. You will learn how to solve various business applications and logical problems through programming. Topics include: computer basics, networking basics, logical structure and design. Basic programming conventions will be taught to include: variables and expressions, functions/methods and control structures. Stress is placed on writing structured programs that are user-friendly. **This course may be taken for elective credit only. This course does not count toward Math credit for graduation.**

# Mathematics

## Computer Programming II

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** Computer Programming 1

**Description:** This course is for those who want to expand their knowledge of programming. Topics include: strings, lists, arrays, files, classes, methods, and class interaction through inheritance and composition. Stress is placed on problem solving and writing structured programs. ***This course may be taken for elective credit only. This course does not count toward Math credit for graduation.***

## Pre-Calculus

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Algebra 2

**Description:** Topics in this course include: application of general, polynomial, trigonometric, exponential, and logarithmic functions using graphical and algebraic representations; solving high order equations and inequalities; utilization of sequences and series. The study of conic sections and matrices is also included in the course. ***Graphing calculator required (TI-84, TI-84+ preferred).***

## Pre-Calculus Honors

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Algebra 2 or Algebra 2 Honors

**Description:** This course is designed for the students who have demonstrated a strong foundation in Algebra 2 or Algebra 2 Honors. All of the topics in Precalculus are covered in greater depth with enrichments and extensions. This course carries a weighted grade. ***Graphing calculator required (TI-84, TI-84+ preferred).***

## Programming Graphics

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** None

**Description:** This course is a continuation of the programming topics included in Introduction to Programming, utilizing Action Script 3.0 along with objects created in the Flash Environment to create graphical patterns and animations for use in a web page. Internet Use Form must be completed and returned before the first class meeting. ***This course may be taken for elective credit only. This course does not count toward Math credit for graduation.***

# Physical Education, Health, & Driver Education

## Adventure Challenge

**Grade Open To:** 11-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** Open to sophomores who have taken Driver Education privately.

**Description:** This course emphasizes cooperative learning, problem solving, and team building activities. It is an experiential-based learning process where students are encouraged to take an active role in their education. Using physical challenges, students develop self-esteem through group and individual accomplishment, enhance social skills with others, increase their ability to problem solve, and develop leadership skills. Fitness activities and concepts are emphasized two days per week. This course may be repeated for credit. Students must have a Physical Education uniform and school-approved lock.

## Dance 1

**Grade Open To:** 11-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** Open to sophomores who have taken Driver Education privately.

**Description:** The major units of study of this course include introductions to jazz, lyrical, beginning hip-hop, improvisation, and choreography. Skills developed through this course include grace, balance, correct posture, rhythm, coordination, and agility. Students also learn correct dance vocabulary for numerous steps, as well as dance history. Fitness activities and concepts are emphasized two days per week. This course may be repeated for credit. Students must have a Physical Education uniform and school-approved lock.

## Dance 2

**Grade Open To:** 11-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** Completion of Dance 1

**Description:** The major units of study in this course include an introduction to modern dance, intermediate hip-hop, social and ethnic dance, and a choreography project resulting in a dance performance. Fitness activities and concepts are emphasized two days per week. This course may be repeated for credit. Students must have a Physical Education uniform and school-approved lock.

## Driver Education, CPR, First Aid, & Safety

**Grade Open To:** 10-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** A student must pass 8 courses in the previous 2 semesters. Students must be at least 15 years of age.

**Fees:** Behind-the-Wheel fee at fall registration and additional state fee for student driver permit. Students are required to purchase safety supplies for use with American Red Cross skills.

**Description:** Driver Education, First Aid, and Safety will promote the development of citizens who will learn the traffic regulations and laws, and will become safe and responsible users of the highway transportation system. This program uses an integrated approach to the classroom phase of driver education and the behind the wheel phase. American Red Cross first aid and safety curriculum, along with the American Red Cross adult and infant CPR will be included. Also, AED training is incorporated to enhance the students' knowledge of their contributions and responsibility as a citizen, not only on the roads, but within the total community. All sophomores, juniors, and seniors under the age of eighteen must successfully complete all phases of Driver Education prior to receiving a State of Illinois Driver's License.

# Physical Education, Health, & Driver Education

## Fall Individual Activities

**Grade Open To:** 11-12

**Term:** 1

**Credit:** 0.5

**Prerequisite:** Open to sophomores who have taken Driver Education privately.

**Fees:** Transportation and fees for golf and/or bowling may be required.

**Description:** This course is offered during the first semester, with an emphasis placed on activities that require individual skills. Fundamentals, rules, and techniques of various activities are covered. Fitness activities and concepts are emphasized two days per week. Students must have a Physical Education uniform and school-approved lock. This course may be repeated for credit.

## Fall Team Activities

**Grade Open To:** 11-12

**Term:** 1

**Credit:** 0.5

**Prerequisite:** Open to sophomores who have taken Driver Education privately.

**Description:** This course is offered during the first semester and is designed around group activities that require teamwork. Fitness activities and concepts are stressed two days per week. Students must have a Physical Education uniform and school-approved lock. This course may be repeated for credit.

## Health

**Grade Open To:** 10-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** None

**Description:** The purpose of this one semester course is to provide students with the skills necessary to create a healthy lifestyle. Topics include: mental health and stress management, personality development, nutrition and wellness, body systems, drug abuse prevention, healthy relationships, environmental health issues, and disease prevention. Students will also analyze how health-related choices made today can affect a person's growth and development in the future, analyze personal health strategies that can be followed to maintain and/or improve health, and recognize the multitude of influences that contribute to a healthy understanding of diversity.

## Wellness

**Grade Open To:** 9

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Description:** This class will emphasize lifelong fitness, fitness concepts, overall wellness, and fitness goal setting. Students will discover and participate in a variety of fitness and lifetime sports activities. Each student will be empowered to design and implement fitness activities within the realm of health-related fitness. Students will also learn and engage in cooperative learning, problem solving, movement skills and team activities. Student must have a school approved uniform and school approved lock.

# Physical Education, Health, & Driver Education

## Leadership Training

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

### **PE Department Approval & Application**

**Prerequisite:** Grade 9 and 10 Physical Education courses, complete application by deadline, receive departmental approval, provide two letters of recommendation from teacher or coach. Student may not choose to receive a PE exemption.

**Description:** Leadership Training is designed to promote and enhance leadership qualities in the upper-class student. The student will be assigned to a freshman wellness class. The student will develop an understanding of the importance of responsibility, reliability, cooperation, initiative, creativity, and adaptability. The major responsibilities include, small group instruction, assisting the teacher, and serving as a role model. Students must have a Physical Education uniform and school-approved lock. This course may be repeated for credit.

## Life Skills

**Grade Open To:** 11-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** Open to sophomores who have taken Driver Education privately.

**Description:** The class provides students with an opportunity to make a connection between the mind and body in a health-club like setting. An emphasis is placed on activities that have an effect on students' daily life, such as self-defense, resistance training, yoga, Pilates, and cardiovascular activities. The class also teaches stress management, meditation and weight management techniques. This course may be repeated for credit. Students must have Physical Education uniform and school-approved lock.

## Recreational Activities

**Grade Open To:** 11-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** Open to sophomores who have taken Driver Education privately.

**Fees:** Additional fees may be required.

**Description:** An emphasis is placed on activities that are recreational in nature. Different variations of activities will be offered. A partial selection could include eclipse ball, sand volleyball, pickle ball, Frisbee golf, and various other recreational activities. Fitness activities and concepts are stressed two days per week. Students must have a Physical Education uniform and school-approved lock. This course may be repeated for credit.

## Skills for Healthy Living

**Grade Open To:** 11

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** None

**Description:** This course is designed to provide and promote the skills and concepts necessary for a healthy lifestyle, and is divided into two components. The health component consists of three days per week (MWF), and may include the study of illness and disease prevention, healthy vs. unhealthy relationships, adulthood, aging, and healthy choices for life. Two days per week (TR), students participate in Fitness Club, which offers opportunities for students to work out in a wide variety of activities. This course must be taken in the student's junior year and may not be repeated for credit. Students must have a Physical Education uniform and school-approved lock.

# Physical Education, Health, & Driver Education

## Sports Medicine

**Grade Open To:** 11-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** Open to sophomores who have taken Driver Education privately.

**Fees:** Lab fees for supplied materials

**Description:** This course is an introduction to sports-related medical professions such as athletic training, physical therapy, orthopedic medicine, and emergency medical technician. The course involves interaction between the local medical community and the school. Fitness activities and concepts will be emphasized two days a week. Students must have a Physical Education uniform and school-approved lock. This course cannot be repeated for credit.

## Spring Individual Activities

**Grade Open To:** 11-12

**Term:** 2

**Credit:** 0.5

**Prerequisite:** Open to sophomores who have taken Driver Education privately.

**Fees:** Transportation and fees for golf and/or bowling may be required.

**Description:** This course will also cover the fundamentals, rules and techniques of various activities. Emphasis will be placed on activities that require individual skill. Fitness activities and concepts are emphasized two days per week. Students must have a Physical Education uniform and school-approved lock. This course may be repeated for credit.

## Spring Team Activities

**Grade Open To:** 11-12

**Term:** 2

**Credit:** 0.5

**Prerequisite:** Open to sophomores who have taken Driver Education privately.

**Description:** Fitness activities and concepts are stressed two days per week. All activities will be designed around group activities that require teamwork. Students must have a Physical Education uniform and school-approved lock. This course may be repeated for credit.

## Weight Training

**Grade Open To:** 11-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** Open to sophomores who have taken Driver Education privately.

**Description:** Students will understand and demonstrate proper weight training techniques and safety procedures in a weight training facility. Students learn strength training concepts and techniques for implementation and creation of a personalized weight training program. Fitness activities and concepts are stressed two days per week. This course may be repeated for credit. Students must have a Physical Education uniform and school-approved lock.

# Science

## Anatomy and Physiology Honors

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Biology (Chemistry recommended)

**Description:** This course is designed to extend the student's knowledge of the structure and functioning of the human body. The eleven systems of the body, with corresponding lab work and dissections, are covered in detail, with emphasis on anatomical information. The second semester contains a cumulative project over all systems through a cat dissection and lab practical. Each semester has a cumulative semester exam. This course is designed to serve students who are interested in furthering their education in the fields of medicine, nursing, physical education, medical technology, sports medicine and other health-related programs. ***This course carries a weighted grade. This course may be taken for elective credit only. This course does not count toward Science credit for graduation.***

## Biology

**Grade Open To:** 9

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Description:** This laboratory course is designed for students with a variety of skills and ability levels. It examines the following topics in depth: chemistry of life, the biosphere, populations, cell structure and function, DNA and inheritance, evolution, and classification. A significant emphasis is placed on scientific methodology. Recurring themes include ecology, genetics, and evolution.

## Biology Honors

**Grade Open To:** 9

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Description:** This course is designed for students who have excellent reading, comprehension, and study skills. The pace of the course is rapid, and the class covers material in greater depth than Biology. This is a lab-oriented class. Major topics include: biochemistry, cellular biology, molecular and Mendelian genetics, biodiversity, and ecology. ***This course carries a weighted grade.***

## AP Biology

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Biology or Biology Honors

**Description:** This course is designed to prepare students for the Advanced Placement Biology Examination. The course surveys various facets of biology in greater depth than in the first-year course, with topics including molecules and cells, heredity and evolution, and organisms and populations. Students perform all of the labs required for the Advanced Placement Biology Exam. Students perform college level work and are expected to take the Advanced Placement exam. ***This course carries a weighted grade.***

# Science

## Chemistry

**Grade Open To:** 10-11

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Algebra 1

**Description:** This course is designed for any student interested in acquiring an exposure to the science of chemistry. It explores modern chemical concepts such as matter, atomic structure, stoichiometry, periodic table, gas laws, nuclear chemistry, chemical equations, and nomenclature through laboratory investigation and a study of the development of major theoretical topics when applicable. An emphasis is placed on conceptual developments and basic chemistry skills. **Graphing calculator required (TI-84, or TI-84+ preferred).**

## Chemistry Honors

**Grade Open To:** 10

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Algebra 1

**Description:** This course is designed as a college preparatory class, and explores the traditional topics of chemistry including: states of matter, stoichiometry, gas laws, periodic chart, atomic structure, chemical bonding, solutions, kinetics, equilibrium, acids and bases, and chemical nomenclature. There are multiple lab experiences. **This course carries a weighted grade. Graphing calculator required (TI-84, or TI-84+ preferred).**

## AP Chemistry

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Chemistry or Chemistry Honors and Algebra 1

**Description:** This course is designed to prepare students for the Advanced Placement Chemistry Examination. The course will cover a range of topics, including: aqueous chemistry and predicting products, stoichiometry, graphical analysis, gas laws, thermo chemistry, chemical bonding, molecular geometry, condensed states, solutions, chemical kinetics, chemical equilibrium, solubility equilibria, acids and bases, thermodynamics and equilibrium, electrochemistry, and organic/biochemistry. Students perform all of the labs required for the Advanced Placement Chemistry Exam. Students perform college level work and are expected to take the Advanced Placement exam. **This course carries a weighted grade. . Graphing calculator required (TI-84, or TI-84+ preferred).**

## Environmental Science: Environmental Issues

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** None

**Description:** Students will analyze the human population for its impact on the environment, evaluate conditions that led to the development of Environmental Science, explore the human niche in the community of life, analyze human use of land and evaluate the effects on biodiversity, and examine environmental policies and relate them to sustainable practices and global impact. **This course may be taken for elective credit only. This course does not count toward Science credit for graduation.**

# Science

## Environmental Science: Environmental Resources

**Grade Open To:** 9-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** None

**Description:** Students will analyze human use of mineral resources and characterize its impact on the environment, explore the use of natural resources to produce energy and evaluate its impact on the environment, investigate the Earth's water resources and analyze human impact on them, examine and categorize the impact of human activities on the Earth's atmosphere, and assess the impact of human generated waste on the environment. ***This course may be taken for elective credit only. This course does not count toward Science credit for graduation.***

## AP Environmental Science

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Biology and Chemistry

**Description:** This college-level course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships in the natural world, to identify and analyze environmental problems, both natural and man-made, to evaluate risks associated with these problems, and to examine alternative solutions for resolving and /or preventing them. Environmental science is interdisciplinary, embracing several unifying themes. These themes include: science is a process; energy conversions underlie all ecological processes; the Earth itself is one interconnected system; humans alter natural systems; environmental problems have a social and cultural context; and human survival depends on developing practices that will achieve sustainable systems. Emphasis is placed on critical thinking skills, writing skills, analytical math skills. Students perform college level work and are expected to take the Advanced Placement exam. ***Graphing calculator required (TI-84, or TI-84+ preferred). This course carries a weighted grade. This course may be taken for elective credit only. This course does not count toward Science credit for graduation.***

## Forensics

**Grade Open To:** 10-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** Biology and Chemistry

**Description:** This course involves components from all of the sciences, especially anatomy, biology, chemistry, earth science, and physics. It teaches students to use critical thinking, deductive reasoning, laboratory techniques and problem-solving skills. These skills are then related to real-life situations and criminal law cases. Students use reality and research-based activities to investigate complex scenarios and learn various scientific methods for solving these problems. The course focuses on the following overall student outcomes: 1) Apply scientific laboratory processes and techniques to the solving of a crime; 2) Determine and perform the most appropriate method of testing samples while obtaining the most accurate results; 3) Evaluate the scientific accuracy of various fields of forensic science; and 4) Predict and appropriately communicate the results of evidence collection and evaluation. ***Graphing calculator required (TI-84, or TI-84+ preferred). This course may be taken for elective credit only. This course does not count toward Science credit for graduation.***

# Science

## Physical Science

**Grade Open to:** 10

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Biology & teacher recommendation

**Description:** Physical Science will teach students critical thinking and problem solving skills while introducing them to concepts in Physics, Chemistry, and Earth/Space Science. This course incorporates real world problem-based activities, hands on laboratory experiences, scientific research/writing techniques, and reinforces the algebra skills required for scientific processes. Physical Science will provide students a solid understanding of the following topics: Force, Motion, Energy, Waves, Electricity and Magnetism, Earth's Climate and Processes, The Solar System, Chemical Structures and Reactions. ***Scientific calculator required.***

## Physics

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Algebra 1

**Description:** This course introduces students to the central concepts of physics as it relates to events familiar in the everyday environment, including: motion, forces, energy, matter, heat, sound, light, and the inside of atoms. Course emphasis is on lab work as well as on lecture, and on comprehension as well as computation. ***Graphing calculator required (TI-84, or TI-84+ preferred).***

## Physics Honors

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Algebra 2 or concurrent enrollment in Algebra 2

**Description:** This course is a college preparatory introduction to physics. An emphasis is placed on the student's application of basic relationships in the areas of mechanics energy, work forces, waves, sound and light, which are developed through lab work and lecture. This course is recommended for students who want to sharpen their problem-solving skills for college. A strong background in Algebra is recommended. ***This course carries a weighted grade. Graphing calculator required (TI-84, or TI-84+ preferred).***

## AP Physics 1

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Physics or Physics Honors or Teacher Recommendation

**Description:** This course is equivalent to a first-semester college course in algebra-based physics. Topics covered in this course include: kinematics; Newton's law of motion; torque; rotational motion and angular momentum; gravitation and circular motion; work, energy and power; linear momentum; oscillations, mechanical waves and sound; introduction to electric circuits. ***This course carries a weighted grade. Graphing calculator required (TI-84, or TI-84+ preferred).***

# Science

## AP Physics 2

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Physics or Physics Honors or Teacher Recommendation

**Description:** This course is equivalent to a first-semester college course in algebra-based physics. Topics in this course cover fluid statics and dynamics; thermodynamics with kinetic theory, PV diagrams and probability; electrostatics; electric circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; topics in modern physics. ***This course carries a weighted grade. Graphing calculator required (TI-84, or TI-84+ preferred).***

## AP Physics C

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** Calculus or concurrently enrolled in Calculus

**Description:** AP Physics C is a second year calculus based physics course taught at the collegiate level. This course is designed for students pursuing a college degree in engineering or the physical sciences. Depth of knowledge is emphasized while studying Newtonian Mechanics, Electricity, and Magnetism. This is a year-long course. ***This course carries a weighted grade. Graphing calculator required (TI-84, or TI-84+ preferred).***

# Social Science

## Economics

**Grade Open To:** 11-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** None

**Description:** This one-semester course gives students an understanding of our economic system and its principles. Students learn about the factors of production, supply and demand, economic systems other than capitalism, business enterprise, and government in a developing economy. In addition, the student learns the principles of educated purchasing as a consumer through decision-making and money-management processes. Economics is recommended for the college-bound student. ***This course can be used to meet the consumer education requirement for graduation.***

## AP European History

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Description:** AP European History is designed to give students an opportunity to explore in- depth key themes and ideas relating to modern European history. The curriculum is comparable to a college introductory European history course and is designed to help students develop a methodology for approaching the AP European history examination. This course will introduce students to various cultural, economic, political, and social developments from 1450 to the present that played a fundamental role in shaping the European world. Throughout the year, students will work to develop an understanding of the principle themes in European history and focus on mastering the skill of analyzing and interpreting historical evidence. There will be a strong emphasis on writing throughout the course, and students will consistently express their historical understanding through writing. Students perform college level work and are expected to take the Advanced Placement exam. ***This course carries a weighted grade. This course may require summer reading. Please refer to your school's web site for more information.***

## Government & Civics

**Grade Open To:** 11-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** None

**Description:** This course focuses on an extensive study of the executive, legislative, and judicial branches of the U.S. Federal Government. State and local governments are also major areas of study. Required tests on the U.S. Constitution, Illinois Constitution, and Flag Code are administered at this time and must be passed to graduate. The student understands the rights and responsibilities of a citizen of the United States and the state of Illinois upon completion of this course. This course satisfies graduation requirement.

## History of Civilization I

**Grade Open to:** 11-12

**Term:** 1

**Credit:** 0.5

**Prerequisite:** None

JJC Hist 105 History of Civilization I

**Description:** A survey of the history of Western Civilization from earliest times to about A.D. 1500. Emphasis is on the evolution of human culture and institutions in order to provide students with an understanding of how and why civilizations develop as they do. The course is designed to make students aware of the contributions of ancient and medieval times to the present. ***This course carries a weighted grade. Course offering dependent upon teacher availability and JJC approval.***

# Social Science

## History of Civilization II

Grade Open to: 11 – 12

Term: 2

Credit: 0.5

Prerequisite: History of Civilization I

JJC Hist 106 History of Civilization II

**Description:** A survey of Western Civilization from about A.D. 1500 to the present. Emphasis is on the development of modern forms of social, economic, political, and cultural activities. The purpose is to increase the student's awareness of what it means to be modern and to offer explanations of how and the why the national communities of the western world moved toward modernity. The course concludes in the twentieth century with the emergence of the world community of national states. ***This course carries a weighted grade. Course offering dependent upon teacher availability and JJC approval.***

## AP Human Geography

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

**Description:** This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. Students also learn about the methods and tools geographers use in their science and practice. There will be a strong emphasis on writing throughout the course, and students will consistently express their geographical understanding through writing. Students perform college level work and are expected to take the Advanced Placement exam. ***This course carries a weighted grade. This course may be taken for elective credit only. This course may require summer reading. Please refer to your school's web site for more information.***

## AP Government and Politics: United States

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

**Description:** This course gives students an analytical perspective on government and politics in the United States. Throughout the course, students learn important facts, concepts and theories pertaining to U.S. government and politics. Students also become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes as they relate to the political process, including the components of political behavior, as well as the principles used to explain or justify various government structures and procedures and their effects. Advanced level reading, extensive writing, and active class participation are required. Students perform college level work and are expected to take the Advanced Placement exam. ***This course carries a weighted grade. This course may require summer reading. Please refer to your school's web site for more information.***

## AP Microeconomics

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

**Description:** This course gives students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and role of government in promoting greater efficiency and equity in the economy. Advanced level reading, extensive writing, and active class participation are required. Students perform college level work and are expected to take the Advanced Placement exam. ***This course carries a weighted grade. This course may require summer reading. Please refer to your school's web site for more information. This course can be used to meet the consumer education requirement for graduation.***

# Social Science

## Psychology

**Grade Open To:** 11-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** None

**Description:** This course illustrates various types of psychological, social, and behavioral issues. Students develop the ability to perceive the world around them more objectively and understand the roles and interactions of individuals and groups in society. Topics studied to develop this awareness include human behavior through personality, intelligence, and behavioral and psychological disorders.

## AP Psychology

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Description:** The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings. Students will learn about explorations and discoveries made by psychologists. Students assess some of the differing approaches adopted by psychologists, including the biological, behavioral, cognitive, humanistic, psychodynamic, and socio-cultural approaches. Students will come to an appreciation of how psychologists think and use critical analysis to model their research. There will be a strong emphasis on writing throughout the course, and students will consistently express their psychological understanding through writing. Students perform college level work and are expected to take the Advanced Placement exam. ***This course carries a weighted grade. This course may require summer reading. Please refer to your school's web site for more information.***

## General Psychology

**Grade Open to:** 11-12

**Term:** 1 or 2

**Credit:** 0.5

JJC Psychology 101 General Psychology 3.0 cr. hrs.

**Prerequisite:** Completed Accuplacer test with a minimum score of \_\_\_\_\_; minimum grade of "C" in all previous JJC courses.

**Fees:** Payment of Joliet Junior College tuition and purchase of college textbooks.

**Description:** A semester-long introductory study of human and animal behavior, as well as the biological and mental processes that underlie behavior. This course is designed to acquaint the student with research methods and findings, basic theories and principles, as well as applications of psychological concepts. (Taken from Joliet Junior College Course Catalog, 2015-2016). ***This course carries a weighted grade.***

## Sociology

**Grade Open To:** 11-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** None

**Description:** This course is a study of various types of social, cultural, behavioral, and legal issues concerning people today. Students develop the ability to look at the social world around them more objectively. Topics studied to develop this awareness include understanding human behavior, structures and functions of society, social problems, race and ethnicity, and legal topics.

# Social Science

## Street Law

**Grade Open To:** 11-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite:** None

**Description:** This course provides upper-level students the opportunity to analyze, evaluate, and in some situations, resolve legal disputes. The emphasis in this course is on promoting alternative forms of dispute resolution while focusing on current topics in the law. Topics such as gang awareness, substance abuse, public policy, criminal law, and civil law are discussed. This course educates students about legal issues and provides them with practical information and problem-solving skills necessary in our society today.

## U.S. History

**Grade Open To:** 10-11

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Description:** This course is a survey of U.S. History, originating with a review of the founding of our nation. It investigates the study of Presidential administrations, and compares major historical events and movements with a focus on the social, economic, and political aspects of America's past. Students are expected to think critically in order to participate in classroom discussions and produce analytical essays utilizing primary and secondary source documents. This course satisfies graduation requirement.

## AP U.S. History

**Grade Open To:** 10-11

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Description:** This college-level course is designed for students who intend to continue their formal education beyond high school. Reading and research in this course are demanding. Students survey American History from the era of exploration and discovery to contemporary events, with a major focus on social, economic, and political aspects of America's past. There will be a strong emphasis on writing throughout the course, and students will consistently express their historical understanding through writing. Students perform college level work and are expected to take the Advanced Placement exam. This course satisfies graduation requirement. ***This course carries a weighted grade. This course may require summer reading. Please refer to your school's web site for more information.***

## World Cultures & Geography

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Description:** This course is an introduction to our physical environment and the locational characteristics of human activities. It studies the inter-relationships of climate, land forms, vegetation, soils, and natural resources, and their significance to man. Students primarily study the United States and other North American countries during the first semester, and South America, Europe, Asia, Africa, Australia, the Pacific Ocean area, and the Polar Regions during the second semester. Extensive map study is utilized.

# Social Science

## AP World History

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Description:** The purpose of the course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. There will be a strong emphasis on writing throughout the course, and students will consistently express their historical understanding through writing. Students perform college level work and are expected to take the Advanced Placement exam. ***This course carries a weighted grade. This course may require summer reading. Please refer to your school's web site for more information.***

## World History

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** None

**Description:** This course examines the development of Western culture from Middle Ages to the aftermath of World War I. Students will assess the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. Students are expected to think critically in order to participate in classroom discussions and produce analytical essays utilizing primary and secondary source documents.

# Special Education

The Special Education Department offers a variety of courses and programs designed to assist students with a wide range of learning needs. The difference between general education classes and special education classes is the pace of the curriculum, the modified materials, a lower student/teacher ratio, and individualized instruction tailored to the student's educational needs. Placement in any program or courses listed below is determined at a conference where an Individualized Education Program (IEP) is developed for specific students in order to meet their need for specialized instruction. Procedures for referral, placement, and program development are directed through the Special Education Department. Due to the unique educational needs of some students, certain programs are only offered at one high school campus in the district. Courses are identified based on a student's program (e.g. FND, IND, SCORE).

## **Critical Skills**

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite/Grade Recommendation:** IEP Team Recommendation

**Description:** This special education class is primarily devoted to instruction in reading, math, writing, study skills and transition based on students' needs as identified in their IEP.

## **Guided Study**

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** N/A

**Prerequisite/Grade Recommendation:** IEP Team Recommendation

**Description:** This is a structured support class period for students to receive academic monitoring and assistance in core classes based on their learning needs as identified in their IEP.

## **General Math 1**

**Grade Open To:** 9

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite/Grade Recommendation:** IEP Team Recommendation

**Fees:** Students are required to purchase workbook.

**Description:** This is a special education course designed to provide foundations in basic math skills. Some of the topics of study include place value, basic operations, rounding, and basic geometry. Instruction is individualized instruction as needed.

## **General Math 2**

**Grade Open To:** 9-10

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite/Grade Recommendation:** IEP Team Recommendation

**Fees:** Students are required to purchase workbook.

**Description:** This is a special education course designed to provide foundations in essential math skills. Some of the topics include problem solving techniques, decimals, fractions, and pre-algebra concepts. Instruction is individualized as needed

# Special Education

## Algebra 1A

Grade Open To: 9-11

Term: 1 & 2

Credit: 1.0

**Prerequisite/Grade Recommendation:** IEP Team Recommendation

**Description:** This is the first year of a two-year sequence special education algebra course. This course is designed to help students obtain a better understanding of basic math skills and build a foundation for future mathematical study. Some of the topics of study include problem-solving techniques, operations with variables, equation and inequality solving, order of operations, mathematical properties, writing and evaluating expressions, inverse operation, and factorization. Instruction is individualized as needed. ***Students will supply their own basic scientific calculators (TI scientific preferred).***

## Algebra 1B

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

**Prerequisite/Grade Recommendation:** Algebra 1A & IEP Team Recommendation

**Description:** This is the second year of a two-year sequence special education algebra course. This course is designed to help students gain a better understanding of algebra and master its concepts. Some of the topics include: measurement, fraction concepts, percentages, ratios, graphing, numeric operations, calculator operations, decimals, integers, equations, statistics, rational numbers, and basic geometry concepts. Instruction is individualized as needed. ***Students will supply their own basic scientific calculators (TI scientific preferred).***

## Geometry

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

**Prerequisite/Grade Recommendation:** Algebra I, Parts 1 & 2 and IEP Team recommendation

**Description:** This year long course special education course is designed to help students gain an understanding of general topics in geometry. Students will be able to identify different types of lines and angles and their relationships. Some of the topics covered in this class will include: angle & triangle identification, congruence, similarity & basic trigonometry, quadrilaterals & their properties; solving problems for perimeter, area, volume and surface area. Instruction is individualized as needed.

## Practical Math

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

**Prerequisite/Grade Recommendation:** IEP Team Recommendation

**Description:** This special education course is designed to aid students to meet challenges faced by most consumers. The topics include: basic skills of computation, calculator applications, budgeting, handling savings and checking accounts, loan applications, buying and financing a car, automobile insurance, buying/renting a house, paying income taxes and using tax tables. Instruction is individualized as needed.

# Special Education

## English A/Block

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 2.0

**Prerequisite/Grade Recommendation:** IEP Team Recommendation

**Fees:** Students are required to purchase workbook.

**Description:** This year long special education course is designed for students that need to build their literary skills. Basic literacy skills such as phonemic awareness, vocabulary development, comprehension, fluency, grammar, and writing skills will be addressed using research based curricular materials. This course is paired with Reading Block in order to provide a block of time for literacy development. The English A course will be given for English credit while the Reading A Course will be given for elective credit.

## English C/Block

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 2.0

**Prerequisite/Grade Recommendation:** IEP Team Recommendation

**Fees:** Students are required to purchase a workbook.

**Description:** This year long special education course is designed for students that need to build their literary skills. Basic literacy skills such as phonemic awareness, vocabulary development, comprehension, fluency, grammar, and writing skills will be addressed using research based curricular materials. This course is paired with Reading Block in order to provide a block of time for literacy development. The English C course will be given for English credit while the Reading C Course will be given for elective credit.

## Transitional English 2

**Grade Open To:** 11

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** IEP Team Recommendation

**Description:** This year long special education course is designed to support students as they read a variety of texts to identify key ideas, details, and structures with the goal of summarizing information and evaluating theme. Students will also identify and analyze tone through various sources.

## Transitional English 4

**Grade Open To:** 12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** IEP Team Recommendation

**Description:** This year long special education course is designed to support students as they are introduced to argumentative claims and how to support such claims. In addition, students will utilize information and evidence through diverse texts from multi-media sources to support their claims.

## English I

**Grade Open To:** 9

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** IEP Team Recommendation

**Description:** This year long special education course is designed to support students as they read a variety of texts to identify key ideas, details, and structures with the goal of summarizing information and evaluating theme. Students will produce a written product using the standardized writing process.

# Special Education

## English II

**Grade Open To:** 10

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** IEP Team Recommendation

**Description:** This year long special education course is designed to support students as they analyze the author's attitude through various characteristics of tone. Through writing, students construct writing products using materials and sources to formulate a central idea, maintain a coherent focus, and elaborate with relevant research examples.

## English III

**Grade Open To:** 11

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** IEP Team Recommendation

**Description:** This year long special education course is designed to support students as they analyze various works by identifying the structure of the text, use of rhetoric in an argument, and evaluating the effectiveness of the intended argument. Through writing, students will develop an argument by comparing various ideas and themes, making inferences, citing specific textual evidence.

## English IV

**Grade Open To:** 12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite:** IEP Team Recommendation

**Description:** This year long special education course is designed to support students as they interpret and analyze literary and informative texts. They will synthesize information and evidence from diverse media sources to communicate findings in various well-organized and audience appropriate formats.

## Social Communication

**Grade Level:** 9-10

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite/Grade recommendations:** IEP Team Recommendation

**Description:** This course introduces students to high school and provides knowledge and strategies to increase interpersonal skills, problem-solving, self-advocacy, conflict resolution, self-awareness, and self-management. These skills will help students navigate through high school years as both a student and employee in the community. Students will be given opportunities to improve these skills through discussion, self-reflection, role play, and class activities. They will be expected to demonstrate course outcomes through written work, presentations, and daily interactions with peers and staff. Students will also create personal goals related to the curriculum and will demonstrate progress and achievement of these goals. This course may be repeated for credit.

# Special Education

## Biology

**Grade Level:** 9-10

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite/Grade recommendations:** IEP Team recommendation

**Description:** This special education course focuses on the study of life. This is a year-long laboratory course that will examine the chemistry of life, the biosphere, populations, cell structure and function, DNA and inheritance, evolution and classification. Emphasis is placed on scientific methodology. Recurring themes include ecology, genetics and evolution. Instruction is individualized as needed.

## Physical Science

**Grade Level:** 10-11

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite/Grade recommendations:** IEP Team Recommendation

**Description:** This is a year-long special education class, which focuses on scientific methodology, the role of science in society, and the basic principles of chemical, physical and earth sciences. This course will include laboratory work. Instruction is individualized as needed. ***Students will supply their own basic scientific calculators (TI scientific preferred).***

## U S History

**Grade Open to:** 10-11

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite/Grade recommendations:** IEP Team Recommendation

**Description:** This special education course reviews the founding of the nation, the history of our Presidents, and studies major historical events as they relate to America's past and present. Students will be expected to produce projects and assignments, which demonstrate understanding through the use of texts, supplemental materials and teacher-generated curriculum. Instruction is individualized as needed.

## Government & Civics

**Grade Open to:** 11-12

**Term:** 1 or 2

**Credit:** 0.5

**Prerequisite/Grade recommendations:** IEP Team Recommendation

**Description:** This special education course studies the executive, legislative and judicial branches of government at the Federal, State and Local levels. Students will gain an understanding of their country's legal system, as well as the rights and responsibilities of a citizen of the United States and the State of Illinois during the semester. Students will be expected to pass the required tests on the U.S. Constitution, Illinois Constitution, as well as show an understanding of the Declaration of Independence and Flag Codes through projects with the use of supplemental materials and teacher-generated curriculum. Instruction is individualized as needed.

# Special Education

## Economics

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 0.5

**Prerequisite/Grade Recommendation:** IEP Team Recommendation

**Description:** Economics is a one-semester course that provides the student with special learning needs an understanding of the United States economic system and principles. The students will learn about supply and demand, factors of production, a variety economic systems, business enterprise and government in a developing economy. The student will learn the principles of educated purchasing as a consumer through decision- making and money management processes. Due to the unique learning needs of these students, the curriculum and materials will be modified, and used in conjunction with supplementary materials and teacher-generated materials. ***This course can be used to satisfy the consumer education credit for graduation.***

## Social Skills for Life

**Grade Open To:** 9-12

**Term:** 1 and/or 2

**Credit:** 0.5 PE credit per semester

**Prerequisite/Grade Recommendation:** IEP Team Recommendation

**Description:** This special education course can be taken either as a one-semester course or as a full year course. It is designed to aid students in meeting social and emotional challenges of life. Course themes will include a number of real-life issues such as: coping with anger, maintaining a healthy life-style, conversation skills, making appropriate choices, understanding family dynamics and conflict resolution. Instruction will be tailored to the needs of the class and student participation in a range of activities will be emphasized.

## Physical Education

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 0.5 per semester

**Prerequisite/Grade Recommendation:** IEP Team Recommendation

**Description:** This special education course can be taken as a semester course, or a year-long course. The course is designed to provide students with emotional and social support within a small, physical education setting. Students will be exposed to a variety of individual and team sports, with an emphasis on cooperative learning strategies and coping skills. A health and wellness component will also be incorporated into the curriculum.

# Special Education

## Vocational Education 1

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite/Grade Recommendation:** IEP Team Recommendation

**(Regional ID# S1100)**

**Description:** This special education course is designed as the first of a two-course orientation level series that will introduce the student to an overview of vocational education and career development. The course will stress career awareness, vocational and self-assessment, introduction to appropriate general work attitudes and behaviors. Student interests and abilities information will be processed to be included in the student's individual vocational plan. Through role-playing, class discussions, reading and writing, students will develop and practice basic work behaviors. Classroom activities will be commensurate with the needs and abilities of the students in relationship to the course objectives. The development of employability skills, as well as transition skills and vocational ethics, will be included in the course. Students may also apply these skills by securing and maintaining a non-paid job within the school.

## Vocational Education 2

**Grade Open To:** 10-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite/Grade Recommendation:** IEP Team Recommendation

**(Regional ID#S1101)**

**Description:** This orientation-level course will build on the type of skills learned in Special Vocational Education I. Course work will stress career exploration, developing a portfolio, enhancing employability skills, improving entry level skills, and exploring outside government and community services to assist in securing and maintaining employment. The vocational assessment process will continue. The development of employability skills, as well as transition skills and vocational ethics, will be included in the course. Students will apply these skills by establishing and running an in-school business.

## Vocational Education 3

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite/Grade Recommendation:** IEP Team Recommendation

**(Regional ID# SI202)**

**Description:** This special education course is for junior or senior students. Major units of instruction will include, but will not be limited to, identification and development of basic skills required of an entry-level job. Possible job fields include agriculture, business, family and consumer sciences, industry, or health care. Identification of task mastery will be outlined in each student's individual education plan. The TREES verified task list will be used. Goals for the student include eventual entry to the work world or continued job training at a community college or trade school. Transition planning will also be an integral part of employment preparation. The development of employability skills, as well as transition skills and vocational ethics, will be included in the course. Students will be expected to engage in job shadowing activities.

# Special Education

## Vocational Co-Op Class

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite/Grade Recommendation:** IEP Team Recommendation

**(Regional ID# SI233)**

**Description:** This preparation-level special education course should be viewed as the capstone course of the vocational program sequence. Commensurate with the student's skills and abilities, the following vocational development areas will be explored: understanding business, developing human relations skills, developing and improving communication skills to include finding, getting and keeping a job, understanding the law and the young worker, developing individual potential, coping with stress and conflicts, meeting adult responsibilities, being part of work organizations, using job related math and money skills, understanding taxation, preparing for future employment, analyzing individual and group job placements with or without job coaches. Transitioning and vocational choices will be explored along with understanding what community and government agencies are available. The development of employability skills and vocational ethics will be included in the course. This course is generally taken in conjunction with Special Education Vocational Co-op Work. ***These interrelated cooperative education courses qualify the student to receive consumer education credit toward graduation as required by the School Code of Illinois (Section 27-12.1).***

## Vocational Co-Op Work

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 2.0

**Prerequisite/Grade Recommendation:** IEP Team Recommendation

**(Regional ID# SI233)**

**Fees:** None

**Description:** This course is taken in conjunction with Special Education Vocational Co-Op Class or SCORE Vocational Class. This work-study course is designed to provide vocational training and technology preparation for an occupation, on a part-time basis. Job search components of resume writing, appropriate dress, interview skills and follow-up procedures are taught. Workplace behaviors along with general and specific work skills are emphasized. Each training station must be approved and must provide each student with an average of 15 hours of work a week. The Work Training Partnership Program located at Joliet Junior College will provide each SCORE student training hours based on the recommendations of the IEP Team. The emphasis is on job training rather than remuneration. Staff will conduct Job visitations, and job coaches will be used as appropriate. ***Note: For Cooperative Work Education, see Work Internship in the Career & Technical Education Section. Necessary to satisfy School Code of Illinois (Section 27 – 11.1).***

# Special Education (Score)

## Special Education: Secondary Community Occupational & Real-Life Education SCORE

### The SCORE Program

**Grade Open To:** 9-12

**Term:** 1 & 2

**Credit:** 1.0

**Prerequisite/Grade Recommendation:** IEP Team Recommendation

**Fees:** None

**Description:** The emphasis of study for the SCORE program is designed to provide functional academic instruction in reading, math and writing. This program also provides an opportunity to apply the skills learned in the classroom to community-based experiences. The school sites for this program are Plainfield South High School and Plainfield East High School. The program is available to students enrolled in Consolidated Community District 202 as recommended by the IEP team.

### **Family and Consumer Science**

The emphasis of study is individualized to meet the student's Individual Education Plan. The topics covered in this class include the mastery of personal hygiene skills, eating skills, dressing appropriately for the weather and occasion, consumer education, cooking skills, home management & maintenance and basic health & first aid.

### **Language Arts**

The student will study functional academics that will focus on the development of survival skills to allow independent functioning in the community. The course is individualized and driven by the goals developed by the student's Individual Education Plan Team. Areas of concentration include reading, writing, communication/social skills and emotional development.

### **Math**

The students will develop basic Math skills to allow independent functioning in the community. The course will be designed to meet the goals of the student's Individual Education Plan. Areas of concentration will include basic computation skills, measurement skills, and time and money concepts.

### **Physical Education**

The Physical Education program is designed to address the need for exercise, development of leisure activities and promote health and well-being in a small, closely monitored class. The goals and objectives of the course are individualized according to the student's needs.

### **Science (Community)**

The program will allow practical application of the skills taught in the classroom through community-based experiences. These trips will include activities that develop skills needed to live as independently as possible. The community trips will access the community to promote the development of recreational and daily living skills.

### **Social Studies**

The program will allow practical application of the skills taught in the classroom through community-based experiences. These trips will include activities that develop skills needed to live as independently as possible. The community trips will access the community to promote the development of recreational and daily living skills.

### **Vocational**

The vocational aspects of this program will involve classroom instruction, in-school training, participation in an in-school business and community training. Classroom instruction includes teaching specific work skills and training of good work habits. In-school training experiences will provide a variety of training opportunities available in the school setting. In-school businesses are established to enhance vocational skill development for the students. Community training is provided to assist the students to secure and maintain paid employment. The curriculum is directly linked to the student's goals identified by the Individual Education Plan and transition plan.

# Special Education (Star Plus)

## STAR PLUS Program

**Grade Level:** 9-12+

**Term:** 1 & 2

**Credit:** 1.0

**Admission:** IEP Team Recommendation

**Description:** The emphasis of study for the STAR PLUS program is designed to provide functional instructional to foster communication, mobility, participation in activities, and inclusion with the general student body. This program provides an opportunity to apply the skills learned in the classroom to community-based experiences. The school site for this program is Plainfield North High School, and available to students from any of the Plainfield High Schools, if it is recommended by the IEP team. ***Courses are consistent with the SCORE program.***

## Vocational Program

Our students will participate in work training experiences in the community and through the Work Training Partnership with Joliet Junior College. In addition, many of our students will have paid employment in the community. The Work Training Partnership will provide a partial day of training for the students to experience various jobs, with the goals of providing the students with basic training and work experiences to identify their work interests and capabilities. Job coaches will be provided as needed by the students and determined by the Individual Education Plan.

## Independent Living Program

Students will develop skills for independent living that include planning, shopping and cooking meals, home first aid, and how to get assistance. Math, reading and writing academics related to independent living and vocational skills will be emphasized.

## Leisure/Social Skills Program

Students will apply skills taught in the classroom during the community-based experiences. The community based trips will include activities and development of skills needed to participate in organized group activities and social awareness of behavior and language to be used in different situations. The focus of the trips and activities will include community safety and the development of leisure activities/interests that will continue into our students' adult lives.

# Special Education (P-Step)

## The P-STEP Program

**Grade/Age Open To:** 12+ (Ages 18-21)

**Term:** 1 & 2

**Credit:** N/A

**Prerequisite:** Completion of four years of high school and IEP Team recommendation

**Description:** The Post-Secondary Transition and Education Program is designed to provide a seamless transition from high school to adult life for students who are 18-21 years old with disabilities. The program is designed to provide opportunities to develop career/vocational skills, recreational/social skills and basic life skills in a community-based educational setting. To participate in this program, the student will be 18-21 years of age (services will cease the day before the student's 22 birthday) and have completed 18+ credits or be eligible for graduation. The focus of the program will be to provide the students with skills needed to obtain and maintain community employment and increase independent living skills through the community-based experiences. The program will also focus on the development of social/recreational skills.

# Wilco Area Career Center

Wilco Area Career Center is the result of a cooperative agreement among the high schools of Bolingbrook, Lemont, Plainfield, Romeoville, and Wilmington. By joining together in a centralized facility, the participating schools offer their students a variety of quality vocational and technical education programs in a cost-effective manner.

## **ACE: Architecture, Construction Management, and Engineering (JJC)**

**Grade Open to:** 12

**Term:**

**Credit:** 3.0

**Prerequisite:** Recommended that students have earned a “C” or higher in all mathematic courses and have achieved senior status.

**Fees:** None

**Transportation:** Student must provide to JJC Main Campus

**Description:** The ACE program is designed to provide seniors with a broad overview of the skills and knowledge necessary to pursue an exciting career in the architecture/construction/engineering field. Through relevant and challenging college courses, the student will receive a solid foundation in the introductory and fundamental coursework in the professional tracks of the building industry. The ACE program has been designed for those students interested in the built environment and are considering career pathways in the field of architecture, engineering or construction management. With 12 hours of college credit to be earned, the student will explore each discipline and can apply those credits to the track best suited to their interest for further study. Dual enrolled earning high school and college credit for ARCH 100, CM 100, EGR 105/AEC 299, AEC 106, OPS 111 and SET 100, a total of 12 credit hours.

## **AIM: Advanced Integrated Manufacturing**

**Grade Open To:** 12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** Introduction to Industrial Technology and/or Wilco Welding I recommended.

**Fees:** None

**Transportation:** Student must provide to JJC Main Campus

This senior only program is offered in partnership with Joliet Junior College and will be held at Main Campus on Hoboult Rd, Joliet, IL. Students will participate in four separate college courses building skills and awareness in heating, ventilation and air conditioning, industrial maintenance, basic wiring/circuit design, and industrial fluid power. Students will learn about OSHA safety programs, maintenance physics, hand and power tools, precision measuring, technical diagrams and assembly prints, fastening devices, lubrication, basic pump operation, and basic pipefitting procedures. Students will study the principles of hydraulics and pneumatics as applied to the basic theory of fluids and typical industrial circuits. Students will build fluid power circuits as applied to industrial applications. Next, the fundamentals of electrical and electronic circuits, including the calculation and measurement of voltage, current, resistance and power will be instructed with emphasis placed on safe meter usage, print reading and exposure to a variety of electrical technologies currently used in industry. Topics include: introductory residential wiring, operation of AC motors, industrial solid-state devices, variable frequency drives, industrial controls, and single-phase/three-phase power distribution along with skills necessary to safely use electronic test equipment on low- and high-voltage components, the course will introduce students to the installation, service, troubleshooting, and repairs on various types of electrical controls, circuits and components. Students will need their own transportation to and from class. **Students must submit an application to the Technical Department at Joliet Junior College. Students will be dual enrolled earning high school and college credit: IMT101, IMT121, HVAC121, and EEAS101, 13 credits. Guidance Notes: Solid math skills needed with record of good attendance and behavior.**

# Wilco Area Career Center

## Auto Services (Mechanics) I

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** None (Introduction to Industrial Technology recommended)

**Fees:** Estimated cost \$50.00

**Description:** The two year auto service program, taught by ASE certified instructors, is designed to train students for entry-level automotive technician positions and/or preparation for post-secondary programs. Students' knowledge of measurement, estimation, and algebra, along with a technology course would be beneficial. First year students will develop skills in vehicle maintenance and repair including brakes, steering and suspension, and will also learn the basics of electrical and engine performance (sensors). Our curriculum follows the National Automotive Technicians Education Foundation (NATEF) format. This program will prepare students for the Automotive Service Excellence (ASE) certification exams. Students will be required to purchase tools, Wilco coveralls, safety glasses, and nitrile gloves.

## Auto Services (Mechanics) II

**Grade Open To:** 12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** Auto Services (Mechanics I)

**Description:** Second year students will continue their training in electrical and engine performance after successful completion of Auto Service 1. Students will be completing labs involving diagnosing electrical circuits, sensors, drivability problems, check engine lights, and emission related problems. Upon completion of this two year course students may earn college credit towards Nashville- Auto Diesel, or Joliet Junior College. Students are encouraged to continue their training through an appropriate technical school, college, or university. Our curriculum follows the National Automotive Technicians Education Foundation (NATEF) format. This program will prepare students for the Automotive Service Excellence (ASE) certification. Assuming students continue to have their tools, safety glasses, coveralls, and nitrile gloves there will be no additional fees but replacement items will be available for purchase if needed. **Dual credit may be available through Joliet Junior College: AS106, 3 credit hours.** **Guidance Notes:** 70% of time in lab, assignment and test for each area/chapter.

## Barbering

**Grade Open to:** 11 & 12 (13 month program for seniors and 2 year program for juniors)

**Prerequisite:** None

**Term:** 1 & 2

**Credit:** 3.0

**Fees:** Estimated cost is \$3,900/\$2,500 depending on 13 month or 2 year.

**Transportation:** Students must have provide their own transportation to Champions Beauty & Barber Univ.

**Description:** This is a 13 month program for seniors or a 2 year program for juniors in Barbering. The barbering program is offered at Champions Beauty and Barber University in Crest Hill, IL which is an approved and licensed school by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation and has met all state and federal regulations. This course offers students curriculum in both theory and practice in the following areas as they relate to the practice of barber science and art: anatomy; physiology; skin diseases; hygiene and sanitation; barber history; barber law; hair cutting and styling; shaving, shampooing, and permanent waving; massaging; and barber implements as they relate to the Barber, Cosmetology, Esthetics and Nail Technology Act. Knowledge, skills, and practical skill development building to the 1500 hours of study needed in barbering and to prepare students for the barbering license exam.

# Wilco Area Career Center

## Certified Nursing Assistant

**Grade Open To:** 12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** Introduction to Health Professions, or Anatomy and Physiology Recommended

**Fees:** Estimated cost of participation is \$100 with an additional \$65 for the State CNA exam in the spring.

**Transportation:** Student must provide own transportation to clinical site.

**Description:** The Certified Nursing Assistant program is a **senior** only program structured to prepare the student for employment as a Certified Nurse Assistant. The curriculum includes all standards and procedures contained in the Illinois Department of Public Health Certified Nurse Aide Instruction Model. The State Nurse Aide Examination can be taken through this course with the completion of 40 hours of on-site clinical experience at a local nursing facility, included in the class structure if student has a social security number. Students must have transportation to the clinical site, a physical, and TB test before September 15<sup>th</sup>. Before beginning the clinical experience, students must undergo a Health Care Worker criminal background check. Throughout the semester, students must maintain an 80% to remain eligible for Joliet Junior College credit and Illinois Department of Public Health Certified Nurse Aide Exam. Upon completion of this course, students may choose to continue their education in preparation for any of a number of careers in the health care field i.e.; Registered Nurse, Physical Therapist, Respiratory Therapist, Ultrasound Technician, etc. Students are required to wear appropriate clothing at clinical site. **Student may receive Joliet Junior College credit for NA101, 7.5 credit hours. Guidance Notes:** 30% of time in lab. Daily assignments and weekly tests. *Emphasis on human anatomy. Certifications may include:* American Heart Association Health Care Provider CPR and Certified Nursing Assistant License.

## Computer Technology I

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** None (Introduction to Computer Technology recommended)

This one year course is made up of the following components which allow the student to receive college credits from Joliet Junior College.

**Computing Information Systems Fundamentals:** A first course for business or computer information systems majors providing a complete introductory study of information systems, computer programming and application software is presented. Course topics include the elements of a business computer system, system analysis and design, computer-to-mainframe systems, and program design and implementation. Also included will be an introduction to the Internet and its uses, computer application software and BASIC programming. In addition, this course is designed to develop computer application skills using a totally integrated software package that includes word processing, a spreadsheet, a database, and presentation software in a Windows environment. Students will be interfacing throughout with the Internet. The class meets in a PC-equipped classroom.

**Data Communications and Networking:** This course provides hands-on instruction in theory and practice in the areas of setup, maintenance, software and hardware installation, troubleshooting, circuitry, system configuration, and repair of personal computers. Advanced students will receive instruction on installing and servicing a network, repairing/replacing faulty mechanical and electronic parts. Students will have the opportunity to learn the prerequisite skills necessary to become A+ certified. A+ is an industry standard designation for competency. **Students in this course are dual enrolled with Joliet Junior College: CIS 145, 3 credit hours.**

**A+ Guide to Managing and Maintaining Your PC:** This course provides hands-on instruction in theory and practice in the areas of setup, maintenance, software and hardware installation, troubleshooting, circuitry, system configuration, and repair of personal computers. Advanced students will receive instruction on installing and servicing a network, repairing/replacing faulty mechanical and electronic parts. Students will have the opportunity to learn the prerequisite skills necessary to become A+ certified. A+ is an industry standard designation for competency. **Guidance Notes:** *Weekly assignments, projects, and quiz. Heavy reading and lecture format.*

# Wilco Area Career Center

## Construction Management

**Grade Open to:** 11-12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** Recommended that students have earned a "C" or higher in Geometry.

**Fees:** none

**Description:** The course will provide an introduction to the global construction industry and managing construction projects. It will include industry career options, terminology, and a foundation in the basic concepts of construction. The course focuses on the fundamental skills needed in the industry and for the core construction class; industry-related vocabulary; scale reading; applying construction calculations; measuring, tools and usage; construction procedures; and industry job descriptions. In addition, the phases, delivery methods, and services provided during a construction project along with an introduction to scheduling, estimating, safety, and sustainable construction will be instructed. Construction math will be utilized throughout the course. Student construction projects will vary based on collaboration opportunities with internal and external partners. JJC dual credit pending: **AEC 100** and **AEC 112**, a total of four credit hours.

## Criminal Justice

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** None

**Fees:** None

**Description:** This course highlights the relevance of law enforcement by examining its history, relevant research pertaining to, and explores an in-depth analysis of our federal Constitution. We will also analyze modern changes in law enforcement and identifies careers at the local, state, and federal levels.

During second semester, students will learn the fundamentals of investigation and crime-scene application; the recording, collection and presentation of evidence; investigative techniques and procedures; and follow-up and case studies. In addition, they will understand the theories associated with the Criminal Justice system. Students will have a clear understanding on preconditions and limitations of a legal search. They will apply theories and concept to current work environment; evaluate photographs used in criminal investigations; and identify basic rules of evidence. Guidance note: Heavy reading and report writing. Students may earn JJC dual credit: **CRJ 110** and **CRJ 225** or **230**, a total of six credit hours.

# Wilco Area Career Center

## Cosmetology I

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** Biology

**Fees:** \$1,800.00 - \$7,500.00 depending on the student's year in school and location of the course

**Transportation:** Student must provide own transportation to the cosmetology site he/she selects.

**Description:** This off-campus course is open to students to attend a state-approved school of beauty culture. The professional school will provide the facility, instruction, and clinical training as prescribed by the Illinois Department of Public Health. Students must complete a separate application and select a facility to attend. Wilco has partnerships with Franklin Institute of Cosmetology in Morris, IL, Professional Choice in Joliet, IL, and Lemont Nail Inn and School of Cosmetology in Lemont, IL. Professional Choice limits participation to seniors which start the program in July before their senior year. ***There is a student fee for this course, which varies and is subject to change. Students provide their own transportation.*** Registration needs to be done by first year students in early January at the beauty school. *Guidance Notes: Clinical assignments, workbook assignments, and task signoffs. Emphasis on chemical reactions and human anatomy.* **Certifications:** Program completion allows students to sit for the Illinois Department of Public Health Cosmetology license.

## Cosmetology II

**Grade Open To:** 12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** Cosmetology I

**Fees:** \$1,800 - \$4,500 depending on the student's year in school and location of the course

**Transportation:** Student must provide own transportation to the cosmetology site he/she selects

**Description:** The second year of this off-campus course is open to students who maintained grades and attendance in the first year of a state-approved school of beauty culture. Only Franklin Institute of Cosmetology in Morris, IL and Lemont Nail Inn and School of Cosmetology in Lemont, IL offer a second year of cosmetology. Students must continue their enrollment in their original cosmetology school or must submit a request to Wilco administration requesting a transfer. (Professional Choice limits participation to seniors which start the program in July before their senior year.) During their second year, students will review theory concepts and build skills on the clinic floor. In addition, students may be able to participate in an approved internship program with consent of their cosmetology school. Over the course of the two years, students must earn 1500 hours and complete the required skills to be eligible for state certification testing. ***There is a student fee for this course, which varies and is subject to change. Students provide their own transportation.***

# Wilco Area Career Center

## Culinary Arts I

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** None, but Foods and Nutrition 1 is recommended.

**Fees:** First year students- approximately \$50.00 for personal and safety equipment.

**Description:** Students have the opportunity to build interest and master essential hands-on culinary techniques and theoretical academics for a career in the Hospitality Industry. The ProStart Program I & II is sponsored by the National Restaurant Association Educational Foundation and is an accelerated curriculum which is followed for Culinary Arts I students (taught in the first year of the program). Coursework topics include, but are not limited to: Foodservice History, Sanitation & Safety; Equipment Usage; Basic & Technological Aspects in Foodservice Preparation; Nutrition; Classical Cooking; Ordering, Purchasing, Receiving & Inventory Controls; Workplace Math & Accounting; Introduction to Lodging & Tourism; Workplace Skills in securing employment and in Customer Relations; Career and Technical Ethics. Students will be directly involved in all aspects of a commercial kitchen operation. Students will participate in at least 10 hours per semester of outside community service (not including field trips), as offered by the instructor. Permitted field trips are offered during and outside of the required class activities and are instrumental to education within the Hospitality Industry. Students will also have an opportunity to use their culinary and leadership skills through participation in FCCLA, ProStart, and/or SkillsUSA student organizations. Additional opportunities are made available for dual college credits, articulated college credits, and scholarship availability with completed coursework requirements. Foods I is recommended for participation in the class. ***Upon successful completion of this program and COMPASS placement, students may earn credit from Joliet Junior College: CA 105 and CA 106, 5 credit hours.*** *Guidance Notes: 60% of time in lab. Weekly assignments and quiz. Emphasis on mathematics at the Algebra level.*  
**Certifications may include:** State of Illinois sanitation certification, Illinois Restaurant and the National Restaurant Associations' certifications and ServSafe manager sanitation certification.

## Culinary Arts II: Hospitality Careers and Event Planning

**Grade Open To:** 12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** Culinary Arts I

**Fees:** Estimated \$50.00

**Description:** This course is designed to help students develop outstanding customer service skills. Students will learn how to interact with customers, resolve conflicts, understand the importance of customer satisfaction/retention actively participate as a member of a team, develop time management skills. In addition, students will develop the skills needed to become successful event managers. Students will learn how to design, plan market and stage an event. Staffing, risk management, event evaluation, legal and financial concerns will also be addressed. Students must have successfully completed Culinary Arts I at Wilco or Foods I and II at their home school to participate. JJC dual credit pending: **HOSP 110** and **HOSP 148**, a total of six credit hours.

# Wilco Area Career Center

## Early Childhood Education I

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** Child Development & Advanced Child Development

**Fees:** Estimated cost of participation is \$30.00

**Description:** Students will participate in assistant teaching by working directly with children ages 3, 4, and 5 years old in the Wilco Preschool Lab. The first year students will complete training for the first level of early Childhood Education (ECE) Credential. The curriculum provides basic knowledge and skills for those working with or seeking to work with young children. Some of the topics presented are: health, safety and nutrition, how children learn, observation and assessment, family and community relations, child development and school aged children. After successful teaching experiences, completion of the modules and meeting attendance requirements, the students may earn their credential. Articulated credit with Joliet Junior College is available with successful completion. **Guidance Notes:** *Weekly assignments, projects, and quizzes. 60% of time working with preschool children in the lab.* **Certifications:** Students who successfully complete the course may earn the Gateways to Opportunities Early Childhood Credential Level 1.

## Early Childhood Education II

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** Early Childhood Education I or Completion of the Level 1 Gateway to Opportunities Credential

**Fees:** Estimated cost of participation is \$25

**Description:** Second year students continue to teach in the preschool lab, but are considered “experienced teachers. Course content includes child development, care, health, safety, nutrition, and education issues. Their assignments include working individually with a preschool child to create a “case study book” along with other required projects as outlined by Joliet Junior College. Second year students have an opportunity to spend time within a childcare sites for observations, if their grades allow and continue work on the Joliet Junior College coursework. **Guidance Notes:** *Weekly assignments, projects, and quizzes. 60% of time working with preschool children in the lab.* **Certifications may include:** American Heart Association CPR, and continued work toward the Gateways to Opportunity Early Childhood Education Level 2 Credential.

## Emergency Medical Services

**Grade Open To:** 12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** Fire Science or Introduction to Health Sciences, or 3 years of Science with 80%/B or better

**Fees:** Estimate cost of participation is \$100.00, plus \$20.00 for the State Test.

**Description:** Students who enroll in the emergency medical technician program must have successfully completed the first year of **Fire Science**, or **Induction to Health Professions** with an 80%/B or better or have completed three years of science with a “B” or better. The year will focus on preparing students for the multiple career areas related to the Fire Service/Health Care fields. Students will focus on the care, handling, and extrication of the critically ill and injured. Topics will include airway management, patient assessment, vital signs, cardiopulmonary resuscitation, lifting and moving patients, documentation, communication, pharmacology and cardiac emergencies. A heavy emphasis will be put on medical terminology. The EMT-B programs requires students spend sixteen hours off-campus in a hospital emergency room and twenty-four hours of ambulance ride-time in addition to the classroom. Students who successfully complete the course may take the EMT-Basic licensure exam. **Dual credit available through College of DuPage with compliance with department requirements including ACT Composite of 20 or successful COMPASS placement: FIRE2271; 10 credit hours.** **Guidance Notes:** *30% of time in the lab. Heavy emphasis on medical terminology and human anatomy.* **Certifications may include:** American Heart Association Health Care Provider CPR and EMT-B license.

# Wilco Area Career Center

## Fire Science

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** None

**Fees:** Expected cost of participation is \$65.00

**Description** Fire Science will follow the curriculum set forth by the State of Illinois Fire Marshall's Office, the Illinois Department of Health, and the Department of Transportation. Students will learn through classroom and guided activities the essentials of fire-fighting which will include: fire chemistry, building construction, wearing personal protective clothing, identifying ropes, tying knots, using fire extinguishers, performing forcible entry, carrying and raising ladders, operating self-contained breathing apparatus, and auto extrication. Students will learn how to employ search and rescue techniques with ventilation tools and practice hose evolutions on an operating engine, all in a safe environment. Students will learn about equipment and assessment used to stabilize victims before the arrival of an ambulance. ***The dual credit available with College of DuPage: FIRE1100, FIRE2230 and FIRE2283, 9 credit hours.*** **Certification may include:** First Responder and American Heart Association Health Care Provider CPR. *Guidance Notes: 50% of the time is in the lab. Emphasis on physical fitness, reading comprehension, and basic math.*

## Game Design

**Grade Open To:** 12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** Trigonometry or concurrent enrollment

**Fees:** None

**Description:** This course introduces students to game design, theory, and game programming. Topics will include analyzing game genres, gameplay, artificial intelligence, storytelling, level design, and play testing. Students will design and write a simple game and design document, much like what is used in the profession. In addition, an introduction to computer programming in the BASIC language will teach students problem analysis, program design and programming in various language. Students will use a PC-based programming environment. In second semester, students will be introduced to the development of computer and video games. Students will learn how to design and implement 2D games using game engines.

## Heavy Equipment Technology

**Grade:** 12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** Participation in an Industrial Technology Course and/or Work Experience

**Fees:** \$45.00 (Students must also have steel toe boots.)

**Transportation:** Student must provide their own transportation to the Local 150 Training Facility in Wilmington.

**Description:** The heavy equipment technology program is designed to train students for careers as heavy equipment mechanics and is a senior only program. Heavy equipment includes: cranes, bulldozers, frontend loaders, rollers, backhoes, and hoists. Emphasis will be on the fundamentals as it relates to diesel engines and fuel systems used in heavy equipment. The program will introduce students to units of measurement, electron theory, wiring diagrams, schematics and symbols, basic principles of hydraulics, basic engine components, intake and exhausts systems, introduction of welding and power train functions. This off-campus class is available through an application process only. Students must be willing to participate in drug testing and meet attendance, behavior, and grade requirements. The class will be located at ASIP-Local 150 in Wilmington. ***Students have an opportunity to earn dual credit from Joliet Junior College: OPS111***

# Wilco Area Career Center

## Introduction to Health Professions

**Grade:** 11-12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** None

**Fees:** None

**Description:** This course is an overview of the health care industry, including medical ethics and law, trends in health care, and exploration of career options. It includes an introduction to medical terminology, anatomy and physiology, vital sign measurement, math for conversions, standard precautions training, basic cardiac life support skills and first aid. The goal of the course is to assist students in making an informed choice about health care occupations and learn basic skills related to all facets of the health care industry. ***Dual credit available through the College of DuPage, Health Sciences 1100 and 1110 and Physical Education 2254, 9 credits. Certifications may include: American Heart Association Health Care Provider CPR***

## Nail Technology

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** None

**Fees:** \$500.00

**Transportation:** Students must provide their own transportation to site in Lemont.

**Description:** This off campus course is open to students to attend a state-approved school of nail technology. Students will develop good communication skills, time management, and an eye for detail. Emphasis will be placed on all aspects of nail care, nail problems, artificial nails, and nail products. Upon successful completion of the course, the students will be eligible to sit for state certification. **This program is located in Lemont. *Guidance Notes: 80% of the time in lab. Weekly assignments and quiz. Certification may include: Illinois Nail Technician License.***

## Veterinary Assistant

**Grades** 11-12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** None

**Fees:** None

**Description:** Students learn animal science and the care of animals, including the fundamentals of companion animal species and breeds, behavior and training, animal anatomy and physiology, nutrition and safety. This course will develop students' understanding of animal reproduction, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Students develop basic skills and techniques for assisting the veterinarian/technician in the following areas: handling large and small animals, grooming animals/caring for coats, feeding animals, and maintaining equipment and facilities. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Since FFA and Supervised Agricultural Experience Programs (SAEPs) are integral components of the course, students are required to maintain SAEP's and be a member of the FFA while participating in activities of the FFA organization. Students will be encouraged to volunteer at local veterinary offices and/or animal shelters.

# Wilco Area Career Center

## Welding and Fabrication I

**Grade Open To:** 11-12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** Introduction to Industrial Technology is recommended

**Fees:** \$90.00 for welding supplies and safety equipment

**Description:** The students will learn to perform welds using all positions. The students' ability to operate, adjust, and safely control power sources and gas equipment is essential. Students will learn how to braze weld, gas weld, shielded metal arc weld, mig weld, gas cutting, and plasma arc cutting. Blueprint reading and the use of weld symbols are also stressed. Students will learn to be a combination welder and work toward certification. Upon completion of this course a student may earn college credits through **Joliet Junior College: WLDG101 and WLDG 102, 6 credit hours**. Students are required to purchase necessary tools and safety clothing.

*Guidance Notes: 70% of time in lab. Weekly assignments and quiz.*

## Welding and Fabrication II

**Grade Open To:** 12

**Term:** 1 & 2

**Credit:** 3.0

**Prerequisite:** Welding and Fabrication I

**Fees:** None

**Description:** This course will emphasize development of advanced skills in metal arc welding, brazing, and flame-cutting. Instruction will include safety practices, properties of metals, electrical principles, and advanced welding methods and equipment. Students will utilize MIG, TIG, and semi-automatic equipment to complete their various projects and activities. The development of employability skills, as well as transition skills, and vocational ethics, will be included in the course. **Dual credit may be available through Joliet Junior College: WLDG 120, 3 credit hours**. *Guidance Notes: 70% of time in lab. Weekly assignments and quiz.*

# Non-Departmental Courses

## Test Preparation

**Grade Open To:** 10-11

**Term:** 1 or 2

**Credit:** 0.5 (elective)

**Prerequisite:** None

**Fees:** Approximately Cost of required ACT workbook

**Description:** Students will have the opportunity to assess their academic strengths and weaknesses through various activities as well as through retired ACT exams. The course will teach students several methods for mastering test-taking skills as well as the sort of skills tested on standardized exams such as the ACT and SAT.

# Four Year Planning Guide

Student \_\_\_\_\_ Graduation Year \_\_\_\_\_ Counselor \_\_\_\_\_ Date \_\_\_\_\_

## FRESHMAN

1. English \_\_\_\_\_
2. Math \_\_\_\_\_
3. Science \_\_\_\_\_
4. Wellness \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

### Summer School

- Session 1 \_\_\_\_\_  
 Session 2 \_\_\_\_\_

## SOPHOMORE

1. English \_\_\_\_\_
2. Math \_\_\_\_\_
3. Science \_\_\_\_\_
4. Health \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

### Summer School

- Session 1 \_\_\_\_\_  
 Session 2 \_\_\_\_\_

## JUNIOR

1. English \_\_\_\_\_
2. Math \_\_\_\_\_
3. Science \_\_\_\_\_
4. Physical Education \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

### Summer School

- Session 1 \_\_\_\_\_  
 Session 2 \_\_\_\_\_

## SENIOR

1. English \_\_\_\_\_
2. Physical Education \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

### Summer School

- Session 1 \_\_\_\_\_  
 Session 2 \_\_\_\_\_

Course	Required	College Prep (Recommend)	Earned
English	4.0	4.0	_____
Mathematics	3.0	3.0/4.0	_____
Science	3.0	3.0/4.0	_____
Consumer Education	0.5		_____
Social Science	2.0	3.0/4.0	_____
U.S. History	1.0		_____
Government & Civics	0.5		_____
Elective	0.5		_____
Physical Education	4.0		_____
Health	0.5		_____
Driver Education	0.5		_____
Art/World Languages/Music/CTE	1.0	2.0/4.0 (Foreign Language)	_____
<b>Total Credits</b>	<b>21.0</b>		

❖ Some state colleges and universities allow coursework in Art, Music or Career and Technical Education (Business, Family and Consumer Science, Industrial Technology, Wilco). Students should check the requirements for the college(s) they plan to attend.