



Plainfield Community Consolidated School District 202

2023-2024 High School Curriculum Guide

PHS-CC



PSHS



PNHS



PEHS



We prepare learners for the future.

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 2023-2024 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 27 Advanced Placement (AP) courses; 18 dual-credit courses through Joliet Junior College, Waubensee Community College and University of St. Francis; vocational courses through the Wilco Area Career Center; special needs courses; and courses for English Learners. 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. Glenn Wood
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
Kevin Kirberg- President Rod Westfall - Vice President Heather Roach - Secretary Dr. Kathy Baxter Toni Galan Tresa Howard-Collins Barbara Seiden	Dr. Glenn Wood Superintendent Dr. Dan McDonnell Director Curriculum and Instruction Grades 9-12

**Approved 11-16-22*

Nondiscrimination Statement

Equal educational, vocational, and extracurricular opportunities shall be available for all students without regard to color, race, nationality, religion, sex, sexual orientation, ancestry, age, physical or mental disability, gender identity, status of being homeless, immigration status, order of protection status, actual or potential marital or prenatal status, including pregnancy.

Educational and vocational opportunities include English, English Language Development, math, science, social science, world languages, fine arts, physical education, health, driver education, special education, and vocational/career & technology education areas of business, family and consumer science, industrial technology, and courses offered through the WILCO Area Career Center. Open enrollment is available to all students who meet the required prerequisites for the course(s).

Title IX/Nondiscrimination and 504 Coordinator Information:

Mina Griffith, Assistant Superintendent for Student Services, 15732 S Howard St., Plainfield, IL 60544; (815) 577-4000;
mgriffith@psd202.org

Office of Civil Rights: at www.ed.gov/ocr, or email at OCR.Chicago@ed.gov or call (312) 730-1560.

Curricular Policies and Procedures

This handbook provides descriptions of all courses and programs available in District 202 high schools. 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.

Per IHSA By-Laws Section 3.020 students involved in IHSA sanctioned athletics or activities must be passing a minimum of 5 classes for eligibility per week and each semester.

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. District 202 recommends that students take a balanced schedule in order to maintain a healthy social, emotional, and physical high school experience. District 202 requires students to have a lunch in their schedule.

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 a 2nd 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 entire schedule.

A student who drops a course after 10 school days will incur a Withdraw Failure (WF) grade. 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 permitted:

- 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.

Curricular Policies & Procedures

Correspondence Credits

This option is limited to full time students or students who are not on schedule to graduate on 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. Prior to enrolling in any correspondence course, students need to meet with a counselor for course approval. Correspondence credits must be accredited by the North Central Association or comparable associations.

Dual Credit

District 202 has entered into a cooperative agreement with Joliet Junior College (JJC), Waubensee Community College (WCC), and University of St. Francis (USF) 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 take a placement exam with a "C" or better, outside the regular school day and earn a qualifying score before enrolling in a dual credit course. JJC charges \$50 per course for dual credit; WCC charges \$36 per course; University of St. Francis charges \$50 per course. All dual credit courses may have an additional materials/book fee. Successful completion of all previous dual credit courses with a minimum grade of "C" and complete payment of the dual credit fee per course is required to enroll in any subsequent dual credit courses. Students must work closely with a counselor to ensure that all 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 college approval.*** Interested students should contact their counselors for additional information. *Please see the index in the back of this book for a complete listing of dual credit courses.*

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

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. 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

Curricular Policies & Procedures

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 to qualify for honor roll.

Seal of Biliteracy

The State Seal of Biliteracy is a recognition given by a district to graduating high school seniors who have demonstrated a high level of proficiency in English and in reading, writing, listening, and speaking in another language during their four years of high school. Students are encouraged to check with their college or university to see if and how much college credit can be earned by earning the Seal of Biliteracy. Students can demonstrate proficiency in English by earning a 480 on Evidence-based Reading and Writing on the SAT, an ACT English score of 20 or composite score at least 21 on the ACT, a "B" or 3.0 GPA in Rhetoric 1 or Rhetoric 2, a score of 4 or 5 on the AP English Language and Composition exam, or a score of 4.8 overall on the ACCESS test. Students can demonstrate proficiency in a second language by earning a 4 or 5 on the AP Language and Culture exam, a score of Intermediate High on the Stamp 4S exam, or additional methods that can be found on the Illinois State Board of Education website, isbe.net, under Seal of Biliteracy. The student is responsible for all fees related to these exams.

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. 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.

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 or 1-877-262-1492 or the NAIA website at 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	D202 Graduation Requirements	Recommended High School Coursework for Illinois College Admission 6		
Department	Credits Required	Illinois State University	University of Illinois-Chicago	University of Illinois-Champaign
English	4	4	4	4
Mathematics 1	3 (while in high school)	3 Alg, Alg 2, Geo.	3-4 Alg, Geo, Ad Alg, Trig	4
Science 4	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 Courses that meet the requirement:		X	X	X
A. Economics / AP Microeconomics	.5			
B. Business & Consumer Education	.5			
C. Personal Finance (DC)	.5			
D. Work Internship Class	1			
E. Special Education Vocational Co-Op Class	.5			
Computer Literacy 5 (Courses that meet the requirement are listed to the right. Effective with incoming freshman 2022-23.)	1	Accounting Digital Illustration & Design 1 & 2 Computer Applications Architectural CAD 1 & 2 Engineering CAD AP Computer Science A Game Programming & Design Digital Journalism & Broadcasting 1 & 2 WILCO's 2 options:	AP Computer Science Principles Digital Photography & Imaging 1 & 2 Intro to Computer Technology CAD Studio & Architecture & Eng. Introduction to CAD Computer Programming I & II Commercial Music Productions CISCO Networking Computer Technology	3D CAD
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 3	.5			
Elective	2.5	2	X	X
TOTAL CREDITS	21	Please see specific college catalogs for requirements.		
<ol style="list-style-type: none"> 1. Students are required to complete three years of math while in high school, including Algebra I, Geometry, Algebra II or approved equivalent. 2. Students are required to pass the U.S. Constitution, Illinois Constitution, and Flag Code exam. 3. <i>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.</i> 4. Students are required to take Biology, Chemistry, and Physics or Physical Science. 5. One year of a course(s) that includes intensive instruction in computer literacy, which may be English, social science, or any other subject and which may be counted toward the fulfillment of other graduation requirements. (PA101-0654) 				
<i>*Approved 11/16/2022</i>				

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	_____
Mathematics	3.0	3 or 4	_____
Science	3.0	3 or 4	_____
Computer Literacy	1.0		_____
Consumer Education	0.5		_____
Social Science	2.0	3 or 4	_____
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 Lang/Music/CTE	1.0	(World Lang) min 2 , some req 4	_____
Electives	2.5		_____
Total Credits	21.0		

❖ 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.

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 their choice *expressly* requires a specific course or a required number of advanced placement/honors 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/honors 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:

- Early Bird 6:25 a.m. – 7:45 a.m.
- 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

Prerequisite: None

State ID# 12104A001

Fees: Students are required to purchase an online resource.

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

Prerequisite: Accounting

State ID# 12104A002

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 & Consumer Education

Grade Open To: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 12051A001

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. ***This course can be used to meet the consumer education requirement for graduation.***

Business Law/Management

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 12054A001

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.

Career & Technical Education - Business

Computer Applications

Grade Open To: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Introduction to Computer Technology

State ID# 10004A001

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 and Google Suite. Students learn 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.

Desktop Publishing for Marketing and Advertising

Grade Open To: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Introduction to Computer Technology

State ID# 10005A001

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

Prerequisite: None

State ID# 12053A001

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 Programming & Design

Grade Open To: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 10201A001

Description: This course provides an introduction to structured and object-oriented programming. Students will develop programming skills in control structures, conditional statements, variables, and data structures. Students will also be introduced to object-oriented topics such as classes, attributes, methods, and functions. Any games created are the sole ownership of District 202. The 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

Prerequisite: None

State ID# 12005A001

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 and Google Suite. Basic word processing is introduced. Students will key academic reports, personal letters, tables, and a capstone project. 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

Sports and Entertainment Marketing and Advertising

Grade Open To: 9-12

Prerequisite: None

Term: 1 or 2

Credit: 0.5

State ID# 12055A001

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

Prerequisite/Grade Recommendation: Departmental application

Fees: Students are required to purchase workbook.

Term: 1 & 2

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

State ID# 22153A001

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 their 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.***

JOLIET JUNIOR COLLEGE BUSINESS COURSES

Personal Finance

Grade Open To: 11-12

Prerequisite: Minimum grade of "C" in all previous JJC courses.

Term: 1 or 2

Credit: 0.5

JJC Finance 100 Personal Finance-3.0 cr. hrs.

State ID# 12051A001

Description: A study of the role of consumers in the marketplace of our increasingly complex modern society and their interaction with business and governmental organizations. The course offers theoretical and practical applications in economic/financial matters (earning/careers, taxes, investments); buying/spending matters (housing, autos, insurance); and consumer/social services (legal environment, credit, banking); and the social impacts across demographic and cross-cultural lines. ***Course offering dependent upon teacher availability and JJC approval. This course can be used to meet the consumer education requirement for graduation. This course carries a weighted grade.***

Career & Technical Education – Family Consumer Science

Child Development

Grade Open To: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 19052A001

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. As part of this course, students will take home an infant simulator for a portion of time.

Culinary Arts 1

Grade Open To: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 16054A001

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, safety and sanitation standards, 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

Prerequisite: Culinary Arts 1

State ID# 16054A002

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

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

State ID# 16052A001

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, professionalism and culinary occupations, advanced equipment, plate and buffet presentation, kitchen staples and cooking methods, sauce and stock preparation, hors d’oeuvres, advanced baking, fish preparation, desserts, event planning, and catering and serving events. *Course offering dependent upon teacher availability and JJC approval.*

Career & Technical Education – Family Consumer Science

Elementary Teaching Internship

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Teaching the Pre-School Child

State ID# 19055A001

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

Prerequisite: None

State ID# 19201A001

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

Description: Students will study the exciting world of fashion as applied to designer and ready-to-wear clothing industries. Students will develop skills and an understanding of basic sewing principles and elements of design and will learn how to apply them to wardrobe coordination. Consumer knowledge of the apparel and textile industry will lead students to make wiser consumer choices. Awareness of career opportunities related to fashion, modeling, and entrepreneurial projects will support students' interest in pursuing further education in these fields. Hands-on projects will include newly learned basic sewing skills that complement fashion trends in today's marketplace. By the end of the semester, students will be able to decipher between what is apparel and what is fashion. The course includes classroom and laboratory experiences that can be applied to everyday life in fashion, apparel, design, construction, and merchandising.

Fashion 2

Grade Open To: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Fashion 1

State ID# 19203A001

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.

Parenting

Grade Open To: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 22201A001

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, and parenting styles. 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, conception and reproduction, prenatal development, health and safety of children, effective parenting skills, and facing family challenges. As part of this course, students will take home an infant simulator for a portion of time.

Career & Technical Education - Family Consumer Science

Teaching the Pre-school Child

Grade Open To: 10-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Child Development

State ID# 19153A001

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.

JOLIET JUNIOR COLLEGE & UNIVERSITY OF ST. FRANCIS CAREER EXPLORATION COURSES

Culinary Arts 3

Grade Open To: 10-12

Term: 1 or 2

Credit: 0.5

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

Prerequisite: Culinary Arts 1 and 2 and Accuplacer Reading score 230 and Accuplacer Writing 4 or ACT English 18 or SAT EBRW 460.

Fees: Students may be required to purchase a workbook

State ID# 16052A001

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.*

Exploring the Teaching Profession

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Univ. of St. Francis EDUC 107 3.0 cr. hr.

Fees: \$50

State ID# 19151A000

Dual Credit: Available only to 11-12

Description: Students will explore the teaching profession as a viable career option, develop skills they need, and make informed decisions about pathways to accomplished teaching. They will explore effective instructional strategies to engage students and promote learning and will learn how reflective practice enables them to advance student learning and grow professionally. Topics include teacher attributes and dispositions of successful teachers and structure and purpose of schools. Students are required to complete observation hours in a classroom outside of the school they attend. Students are required to provide their own transportation to these observations. *This course carries a weighted grade. Course offering dependent upon teacher availability and USF approval.*

Career & Technical Education - Family Consumer Science

Teaching in a Diverse Society

Grade Open to: 11-12

Prerequisite: Exploring the Teaching Profession

Fees: \$50

Dual Credit: Available only to 11-12

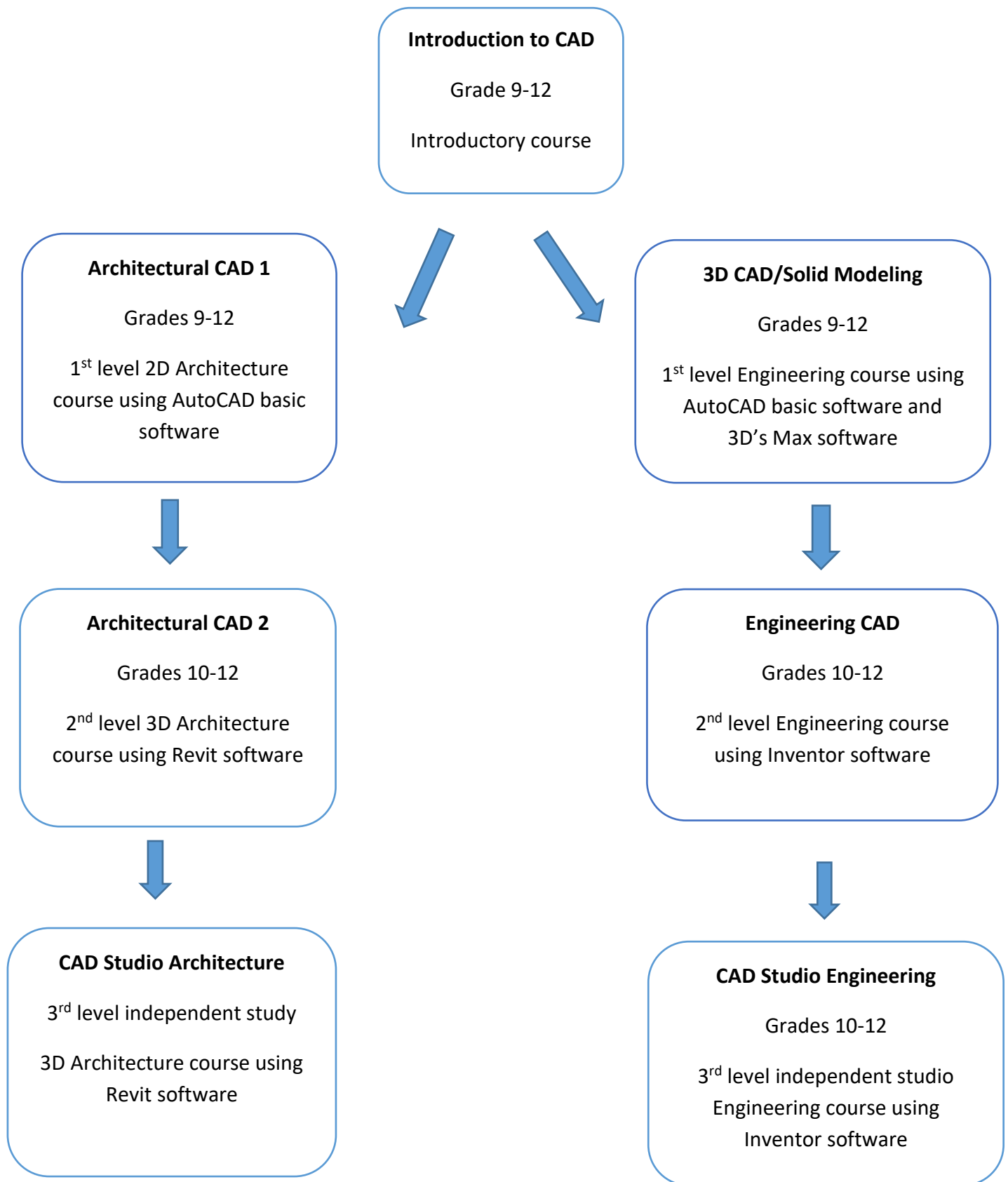
Term: 2

Credit: 0.5
Univ. of St. Francis EDUC 210 3.0 cr. hr.

State ID#: 19151A000

Description: Course is designed to develop insight into the teaching profession and the education system as part of a diverse society. Candidates examine personal bias which can affect teaching and learning and explore various cultural groups and their valuable contributions to the classroom. The course also presents various teaching standards by which candidates can broaden their knowledge and views of teaching and learning while developing culturally responsive philosophies of education. *This course carries a weighted grade.*

SUGGESTED CTE-INDUSTRIAL TECHNOLOGY SEQUENCE



Career & Technical Education – Industrial Technology

3D CAD/Solid Modeling

Grade Open To: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Introduction to CAD

State ID# 21102A001

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.

Architectural CAD 1

Grade Open To: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Introduction to CAD

State ID# 21103A001

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 Aided Drafting (CAD) is used for all drafting. This class is required for Architectural CAD 2. 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

Prerequisite: Architectural CAD 1

State ID# 21103A002

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.

CAD Studio Architecture

Grade Open To: 10-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Introduction to CAD, Architectural CAD 1 and 2

State ID# 21103A002

Description: A mastery level course for students interested in an Architecture Career. Students will design a large project of their own and follow a professional process that includes Research and Design, Technical Sketches, Architectural Software Blueprints, Model Building and Presentations.

CAD Studio Engineering

Grade Open To: 10-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Introduction to CAD, 3D/Solid Modeling & Engineering CAD

State ID# 21106A002

Description: A mastery level course for students interested in an Engineering Career. Students will design a large project of their own and follow a professional process that includes Research and Design, Technical Sketches, Engineering Software Blueprints, Model Building and Presentations.

Career & Technical Education – Industrial Technology

Engineering CAD

Grade Open To: 10-12

Term: 1 or 2

Credit: 0.5

Prerequisite: 3D CAD/Solid Modeling

State ID# 21106A001

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.

Introduction to CAD

Grade Open To: 9-12

Term: 1 or 2

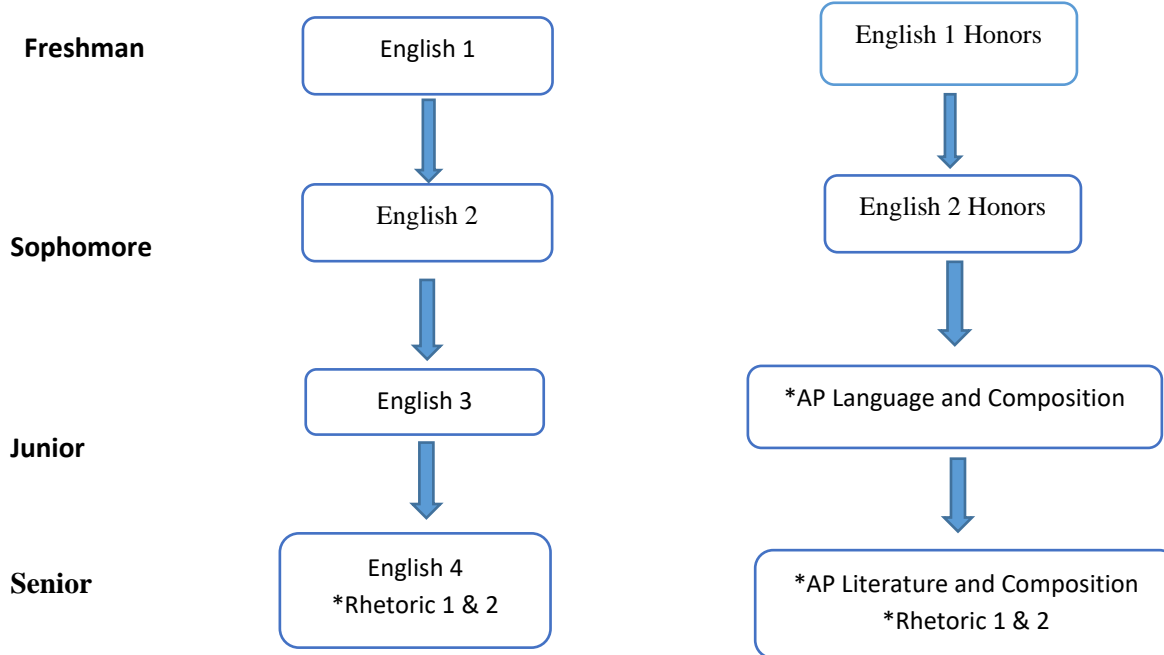
Credit: 0.5

Prerequisite: None

State ID# 21102A001

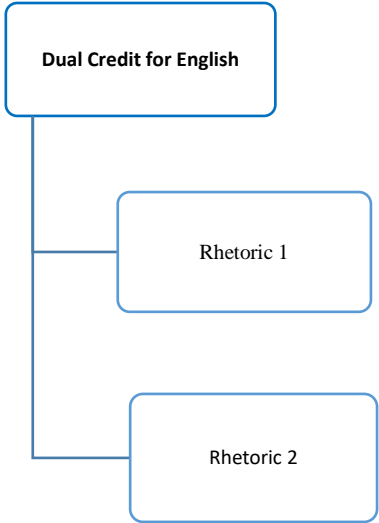
Description: Students will be introduced to the fundamentals of the AutoCAD computer aided drafting and design software. Students will learn how to construct, edit, dimension, scale, and print various types of technical drawings. These include geometric, orthographic, multi-view, sectional view, and 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.

SUGGESTED ENGLISH SEQUENCE



***Rhetoric 1**– Prerequisite: Accuplacer Reading score of minimum 246, Accuplacer writing score of minimum 5, minimum grade of “C” in all previous JJC courses.

***Rhetoric 2** – Prerequisite: Successful completion of Rhetoric 1 and a minimum grade of “C” or higher in all previous JJC courses.



Electives:
 These courses are semester courses offered as Elective credit. Students who take these courses must also sign up for a core English course. Reading I/II (Recommendation only)

- Reading I/II (recommendation only)
- Digital Journalism & Broadcasting I/II
- Creative Writing

Notes:

1. Students must have four full years/credits of English for graduation in District 202.
2. Asterisk (*) denotes Advanced Placement and Dual Credit courses.

English

AP English: Language and Composition

Grade Open To: 11 or 12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 01005A000

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.***

AP English: Literature and Composition

Grade Open To: 12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 01006A000

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.***

Creative Writing

Grade Open To: 10-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 01104A000

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

State ID# 01001A000

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

English I Honors

Grade Open To: 9

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 01001A000

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

State ID# 01002A000

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 II Honors

Grade Open To: 10

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 01002A000

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

State ID# 01003A000

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

English IV

Grade Open To: 12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 01004A001

Fees: Cost of required novels

Description: This college and career preparatory course is designed to develop the essential skills in reading, critical thinking and analysis, and writing that students will need in their post-secondary lives. Aligned to the Illinois Learning Standards, this course will build students' success by focusing on the development of active reading strategies, summarization, analysis, and interpretation of a majority of non-fiction texts; the writing process will focus on audience, purpose, and documentation of relevant information; and analysis of credibility and reliability of information. Successful completion of this course with a grade of C or higher in both semesters will place a student in college credit-bearing English in the state of Illinois.

Digital Journalism & Broadcasting 1

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 01103A000

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.***

Digital Journalism & Broadcasting 2

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Digital Journalism & Broadcasting 1

State ID# 11104A000

Description: This course is designed for those students who have completed Digital Journalism & Broadcasting 1 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.***

Reading 1

Grade open to: 9 -12

Term: 1 & 2

Credit 1.0

Prerequisite: Placement only

State ID# 01068A000

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.***

English

Reading 2

Grade Open To: 10-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Placement only

State ID# 01068A000

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.***

JOLIET JUNIOR COLLEGE ENGLISH COURSES

Rhetoric 1

Grade Open To: 12

Term: 1

Credit: 0.5

JJC English 101 Rhetoric-3.0 cr. hrs.

State ID# 01103A000

Prerequisite: Accuplacer reading score of minimum 246, Accuplacer writing score of minimum 5 or higher, minimum grade of "C" in all previous JJC courses.

Fees: \$50.00 JJC fee and purchase of college textbook(s)

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

JJC English 102 Rhetoric-3.0 cr. hrs.

State ID# 01103A000

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

Fees: \$50.00 JJC fee and purchase of college textbook(s)

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.***

English Language Development (ELD)

ELD 1

Grade Open To: 9-12

Prerequisite: WIDA Screener and/or ACCESS Level

Fees: Students may be required to purchase workbook.

Term: 1 & 2

Credit 2.0

(English 1.0 and Elective 1.0)

State ID# 01008A000

Description: This is an English Language Arts course combined with an additional focus on English Language Development. This course is designed to prepare students for reading, writing, speaking, listening, and critical thinking skills necessary for academic coursework and lifelong success. Students will develop their literacy skills through a variety of reading and writing activities. The writing component entails the advancement of grammar and skills in descriptive, narrative, expository, and persuasive writing topics and culminates with a research paper. Students will study a variety of themes through both fiction and non-fiction text. There is a strong focus on academic language and communication skills. Written and oral communication will be further developed through small-group presentations, demonstration, and oral reports using academic language. This is a block course and may be repeated once for credit. Spanish for Heritage Speakers could be added as a concurrent course to meet State native language requirement.

ELD 2

Grade Open To: 9-12

Prerequisite: WIDA Screener and/or ACCESS Level

Fees: Students may be required to purchase workbook.

Term: 1 & 2

Credit: 1.0 or 2.0

(English 1.0 and/or Elective 1.0)

State ID# 01008A000

Description: This is an English Language Arts course combined with an additional focus on English Language Development. 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 notetaking 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. This has the potential to be a block course and may be repeated once for credit. Spanish for Heritage Speakers could be added as a concurrent course to meet State native language requirement.

ELD 3

Grade Open To: 9-12

Prerequisite: WIDA Screener and/or ACCESS Level

Fees: Students may be required to purchase workbook.

Term: 1 & 2

Credit: 1.0 (English 1.0)

State ID# 01008A000

Description: This is an English Language Arts course combined with an additional focus on English Language Development. 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. This course may be repeated once for credit. Spanish for Heritage Speakers could be added as a concurrent course to meet State native language requirement.

English Language Development (ELD)

ELD Bridge

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0 (Elective)
State ID# 01008A000

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.

Sheltered Algebra 1

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: ACCESS and WIDA Screener results, previous placements, linguistically modified final exams before entry into a course, content area and ESL teacher recommendation.

State ID# 02052A000

Fees: None; Graphing calculator required (TI-84, TI-84+ preferred)

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. This class is intended for English learners. This class will progress through Algebra 1 with linguistic accommodations and supports. Students will work on prerequisite math skills and will learn the same content as in Algebra I.

Sheltered Geometry

Grade Open to: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Sheltered Algebra or Algebra 1

State ID# 02072A000

Fees: None; Graphing calculator required (TI-84, TI-84+ preferred)

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 with the use of coordinates. Graphing calculator required (TI-84, TI-84+ preferred). This class is intended for newcomers, English learners, or students with interrupted schooling. This class will progress through Geometry with linguistic accommodations and supports. Students will learn the same content as Geometry, however, supplemental instruction in partially or unfamiliar concepts will be integrated into the teaching for students to successfully participate in the class. Teachers will utilize Springboard methodologies and instructional strategies.

English Language Development (ELD)

Sheltered Algebra 2

Grade Open to: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Access and WIDA Screener results, previous placements, content area and ESL teacher recommendation.

Fees: None, Graphing calculator required (TI-84, TI-84+ preferred)

State ID# 02056A000

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. The class is intended for newcomers, English learners, or students with interrupted schooling. This class will progress through Algebra 2, however supplemental instruction in partially or unfamiliar concepts will be integrated into the teaching in order for students to successfully participate in the class. Teachers will utilize current Algebra 2 curriculum methodologies and instructional strategies.

Sheltered Biology

Grade Open to: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Access and WIDA Screener results, previous placements, content area and ESL teacher recommendation.

Fees: None

State ID# 03051A000

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. The class is intended for English learners, newcomers, or students with interrupted schooling. This class will progress through Biology, however supplemental instruction in partially or unfamiliar concepts will be integrated into the teaching in order for students to successfully participate in the class. Teachers will utilize current Biology curriculum methodologies and instructional strategies.

Sheltered Chemistry

Grade Open to: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 1, Access and WIDA Screener results, previous placements, content area and ESL teacher recommendation.

Fees: None, Graphing calculator required (TI-84, TI-84+ preferred)

State ID# 03101A000

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 development of major theoretical topics when applicable. An emphasis is placed on conceptual developments and basic chemistry skills. The class is intended for English learners, newcomers, or students with interrupted schooling. This class will progress through Chemistry, however, supplemental instruction in partially or unfamiliar concepts will be integrated into the teaching in order for students to successfully participate in the class. Teachers will utilize current Chemistry curriculum methodologies and instructional strategies.

English Language Development (ELD)

Sheltered Physics

Grade Open to: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 1 Access and WIDA Screener results, previous placements, content area and ESL teacher recommendation. Graphing calculator required (TI-84, TI-84+ preferred)

Fees: None

State ID# 03151A000

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. The class is intended for English learners, newcomers, or students with interrupted schooling. This class will progress through Physics, however supplemental instruction in partially or unfamiliar concepts will be integrated into the teaching in order for students to successfully participate in the class. Teachers will utilize current Physics curriculum methodologies and instructional strategies.

Sheltered Physical Science

Grade Open to: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 1 Access and WIDA Screener results, previous placements, content area and ESL teacher recommendation. Biology & teacher recommendation.

Fees: None, Scientific calculator required.

State ID# 03159A000

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. The class is intended for English learners, newcomers, or students with interrupted schooling. This class will progress through Physical Science, however supplemental instruction in partially or unfamiliar concepts will be integrated into the teaching in order for students to successfully participate in the class. Teachers will utilize current Physical Science curriculum methodologies and instructional strategies.

Sheltered U.S. History

Grade Open to: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 04103A000

Fees: 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 requirements. The class is intended for English learners, newcomers, or students with interrupted schooling. This class will progress through U.S. History, however, supplemental instruction in partially or unfamiliar concepts will be integrated into the teaching in order for students to successfully participate in the class. Teachers will utilize current U.S. History curriculum methodologies and instructional strategies.

English Language Development (ELD)

ELD Guided Study Hall

Grade Open to: 9-12

Term: 1 & 2

Credit: N/A

Prerequisite: Students can qualify based on one or more of the following factors: Access and WIDA Screener results, previous placements, content area and ESL teacher recommendation.

Fees: None

State ID# 22003A000

Description: This is an English Language Development structured support class period for students to receive linguistic development supports, academic monitoring, and assistance in core classes based on their needs.

SUGGESTED VISUAL ART SEQUENCE

OPTION 1

Art Foundations
Advanced Drawing
Painting
*AP Art & Design Drawing
or
*AP Art & Design 2D

OPTION 2

Art Foundations
Digital Design & Illustration 1
Digital Design & Illustration 2
*AP Art & Design Drawing
or
*AP Art & Design 2D

OPTION 3

Ceramics 1 or Sculpture 1
Ceramics 2 or Sculpture 2
Advanced 3D
*AP Art & Design 3D

OPTION 4

Digital Photo and Imaging 1
Digital Photo and Imaging 2
Digital Design and Illustration 1
*AP Art & Design 2D

Stand Alone Class

*AP Art History

NOTE:

Asterisk (*) denotes Advanced Placement or Dual Credit courses.

Fine Arts/World Languages - Art

Advanced 3D

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Ceramics 2 and Sculpture 2

State ID# 05170A000

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 artwork.

Advanced Drawing

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Art Foundations

State ID# 05156A000

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.

AP Art History

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 05153A000

Fees: Students are required to purchase additional supplies.

Description: This course is equivalent to a two-semester introductory college course that explores the nature of art, art making, and responses to art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the course fosters in-depth, holistic understanding of the history of art from a global perspective. Students become active participants in the global art world, engaging with its forms and content. They experience, research, discuss, read, and write about art, artists, art making, responses to, and interpretations of art.

AP Art & Design - Drawing

Grade Open To: 11 -12

Term: 1 & 2

Credit: 1.0

Prerequisite: 2 full years of previous art classes recommended to prepare for the level of technical skill and demanding deadlines.

State ID# 05172A000

Fees: Students are required to purchase additional supplies.

Description: This course is an introductory college-level drawing course for highly motivated students who are seriously interested in the study of art; the program demands significant commitment. Students refine and apply drawing skills to ideas they develop throughout the course. The experience will culminate with a prepared portfolio of work that focuses on drawing skills while focusing on the elements and principles of art and design that should be submitted to the College Board for approval. Students will be expected to work both in during the class period and outside of class time. Students can work with any materials, processes, and ideas.

Fine Arts/World Languages - Art

AP Art & Design – 2D

Grade Open to: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: 2 years of previous art classes recommended to prepare for the level of technical skill and demanding deadlines.

State ID# 05174A000

Fees: Students are required to purchase additional supplies.

Description: This course 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 of work that focuses on the use of two-dimensional (2-D) elements and principles of art and design that should be submitted to the College Board for approval. Students will be expected to work both during the class period and outside of class time. Students can work with any materials, processes, and ideas. Graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting, and printmaking are among the possibilities for submission.

AP Art & Design – 3D

Grade Open to: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: 2 years of previous art classes recommended to prepare for the level of technical skill and demanding deadlines.

State ID# 05175A000

Fees: Students are required to purchase additional supplies.

Description: This course is an introductory college-level 3-D course for highly motivated students who are seriously interested in the study of art; the program demands significant commitment. Students refine and apply 3-D skills to ideas they develop throughout the course. The experience will culminate with a prepared portfolio of work that focuses on the use of three-dimensional (3-D) elements and principles of art and design that should be submitted to the College Board for approval. Students will be expected to work both during the class period and outside of class time. Students can work with any materials, processes, and ideas. Clay, 3-D digital imaging and a variety of other materials and process are among the possibilities for submission.

Art Foundations

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 05151A000

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.

Ceramics 1

Grade Open To: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 05159A000

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 artwork 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.

Fine Arts/World Languages - Art

Ceramics 2

Grade Open To: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Ceramics 1

State ID# 05999A000

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 artwork. The technique of wheel throwing is introduced during this semester, which broadens and enhances the student's knowledge of ceramic production.

Digital Illustration and Design

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Art Foundations

State ID# 05169A000

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.

Digital Illustration and Design 2

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

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

State ID# 05160A000

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 Photography and Imaging 1

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 05167A000

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: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Digital Photography and Imaging 1

State ID# 05999A000

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 - Art

Painting

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Advanced Drawing

State ID# 05157A000

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

State ID# 05158A000

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.

Sculpture 2

Grade Open To: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Sculpture 1

State ID# 05999A000

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.

SUGGESTED BAND ENSEMBLE SEQUENCE

Freshman

Concert Band
Symphonic Band



Sophomore

Concert Band
Symphonic Band
Wind Ensemble



Junior

Concert Band
Symphonic Band
Wind Ensemble



Senior

Concert Band
Symphonic Band
Wind Ensemble

NOTES:

4-year Course Recommendation

- 9th – Concert Band or Symphonic Band
- 10th – Concert Band, Symphonic Band, or Wind Ensemble
- 11th – Concert Band, Symphonic Band, or Wind Ensemble
- 12th - Concert Band, Symphonic Band, or Wind Ensemble

SUGGESTED CHOIR & MUSIC SEQUENCE

CHOIR

FRESHMAN

Mixed Choir full year

SOPHOMORE

Mixed Choir (full year)

Treble Choir (full year)

Concert Choir (full year)

JUNIOR

Mixed Choir (full year)

Treble Choir (full year)

Concert Choir (full year)

SENIOR

Mixed Choir (full year)

Treble Choir (full year)

Concert Choir (full year)

MUSIC

FRESHMAN

Music Theory (1 semester)

Music Survey (1 semester)

SOPHOMORE

Music Theory (1 semester)

Commercial Music Production (1 sem)

*AP Music Theory (full year)

Music Survey (1 semester)

JUNIOR

Music Theory (1 semester)

Commercial Music Production (1 sem)

*DC Exploration of American Music (1 sem)

*AP Music Theory (full year)

Music Survey (1 semester)

SENIOR

Music Theory (1 semester)

Commercial Music Production (1 sem)

*DC Exploration of American Music (1 sem)

*AP Music Theory (full year)

Music Survey (1 semester)

NOTES:

Asterisk (*) denotes Advanced Placement and Dual Credit courses.

4-year Course Recommendation:

- 9th – Music Theory (1 sem)
- 10th – Commercial Music Productions (1 sem)
- 11th – AP Music Theory (full year)
- 12th – Dual Credit Exploration of American Music (1 sem)

Fine Arts/World Languages – Music

AP Music Theory

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

Fees: Students are required to purchase workbook.

State ID# 05114A000

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.*

Commercial Music Production

Grade Open To: 10-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 05148A000

Description: Using available and emerging technology, students will develop fluency with industry-standard music production software and hardware to facilitate the creation of their own music and the manipulation of preexisting music. Some of the topics to covered are digital recording, sequencing, mixing, and computer-aided sound engineering. Students will learn to use digital recording equipment. Outside-of-school time may be required.

Concert Band

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Audition

State ID# 05101A000

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 requires participation in marching band, 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.

Concert Choir

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Audition

State ID# 05149A000

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.

Fine Arts/World Languages - Music

Mixed Choir

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 05110A000

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.

Music Survey

Grade Open To: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 05116A000

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

State ID# 05113A000

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.

Symphonic Band

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Audition

State ID# 05102A000

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 requires participation in marching band, 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

Treble Choir

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Audition

State ID# 05149A000

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.

Wind Ensemble

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Audition

State ID# 05106A000

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 requires participation in marching band, 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.

JOLIET JUNIOR COLLEGE FINE ARTS MUSIC COURSES

Exploration of American Music

Grade Open to: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

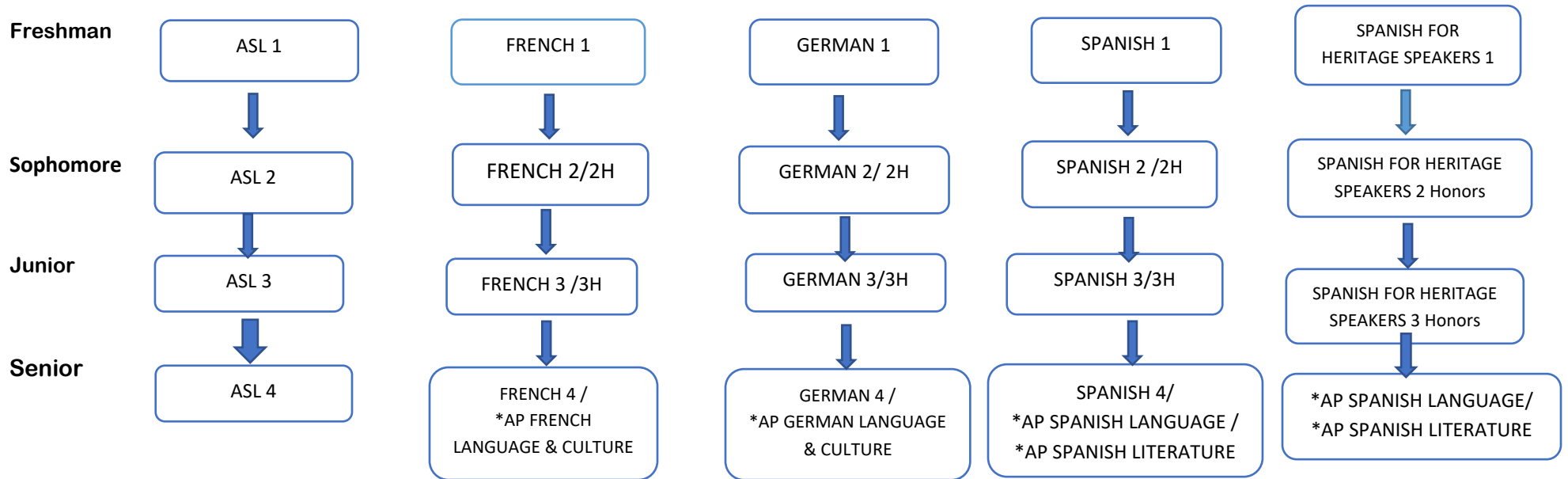
JJC Music 102 Exploration of American Music; 3.0 cr. hrs.

Fees: \$50.00 JJC fee and purchase of college textbook(s)

State ID# 05116A000

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.*

SUGGESTED WORLD LANGUAGES SEQUENCE

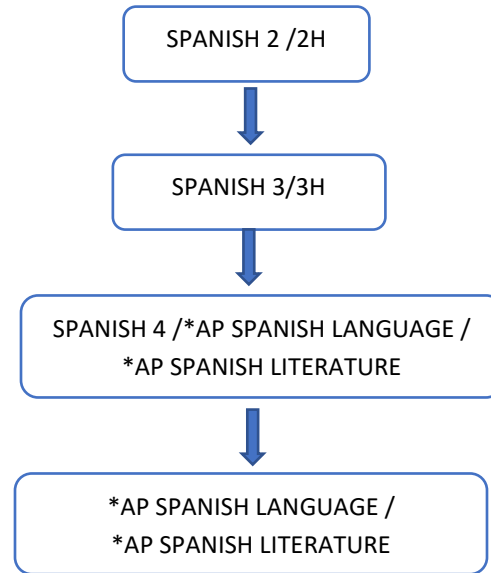


Freshman**

Sophomore

Junior

Senior



***Students who took Spanish in middle school
Asterisk (*) denotes Advanced Placement courses.*

Fine Arts/World Languages - World Languages

American Sign Language 1 (ASL)

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 06801A000

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

State ID# 06802A000

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

State ID# 06803A000

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

State ID# 06804A000

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.

American Sign Language 4 Honors (ASL)

Grades Open to: 12

Term: 1 & 2

Credit: 1.0

Prerequisite: ASL 3

State ID# 06804A000

Description: In this course, students will continue to expand and improve their interpersonal, interpretive, and presentation skills to an advanced level. The acquisition of expressive and receptive skills will occur while learning more about the history of the Deaf community from a Deaf perspective. Students will study social issues through ASL literature and storytelling focusing on Deaf narratives. 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

State ID# 06121A000

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

State ID# 06122A000

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

State ID# 06122A000

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

State ID# 06123A000

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.

French 3 Honors

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: French 2 or French 2 Honors

State ID# 06123A000

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.*

Fine Arts/World Languages - World Languages

French 4

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: French 3 or French 3 Honors

State ID# 06124A000

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

State ID# 06132A000

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

State ID# 06201A000

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.

German 2

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: German 1

State ID# 06202A000

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

State ID# 06202A000

Fees: Students are required to purchase workbook.

Description: This course features and 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.*

Fine Arts/World Languages-World Languages

German 3

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: German 2 or German 2 Honors

State ID# 06203A000

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

State ID# 06203A000

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

State ID# 06204A000

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.

AP German Language & Culture

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: German 3 or German 3 Honors

State ID# 06212A000

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

State ID# 06101A000

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.

Fine Arts/World Languages-World Languages

Spanish 2

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Spanish 1

State ID# 06102A000

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

State ID# 06102A000

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.*

Spanish 3

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Spanish 2 or Spanish 2 Honors

State ID# 06103A000

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

State ID# 06103A000

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.*

Fine Arts/World Languages-World Languages

Spanish 4

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Spanish 3 or Spanish 3 Honors

State ID# 06104A000

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

State ID# 06112A000

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.*

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

State ID# 06113A000

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.*

Fine Arts/World Languages–World Languages

Spanish for Heritage Speakers 1

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Placement test or teacher recommendation.

State ID# 06106A000

Description: Primary focus of this course is to address literacy skills in the heritage language. Grammar, spelling, writing, and reading represent the primary learning targets. The secondary focus is to survey the forthcoming culture, geography, history, and literature that will be addressed in much more depth in levels 2 and 3. The overview will serve to familiarize students with these topics prior to encountering them in more detail and with more rigor at the upper levels.

Spanish for Heritage Speakers 2 Honors

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Placement test or teacher recommendation

State ID# 06106A000

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. *This course carries a weighted grade.*

Spanish for Heritage Speakers 3 Honors

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

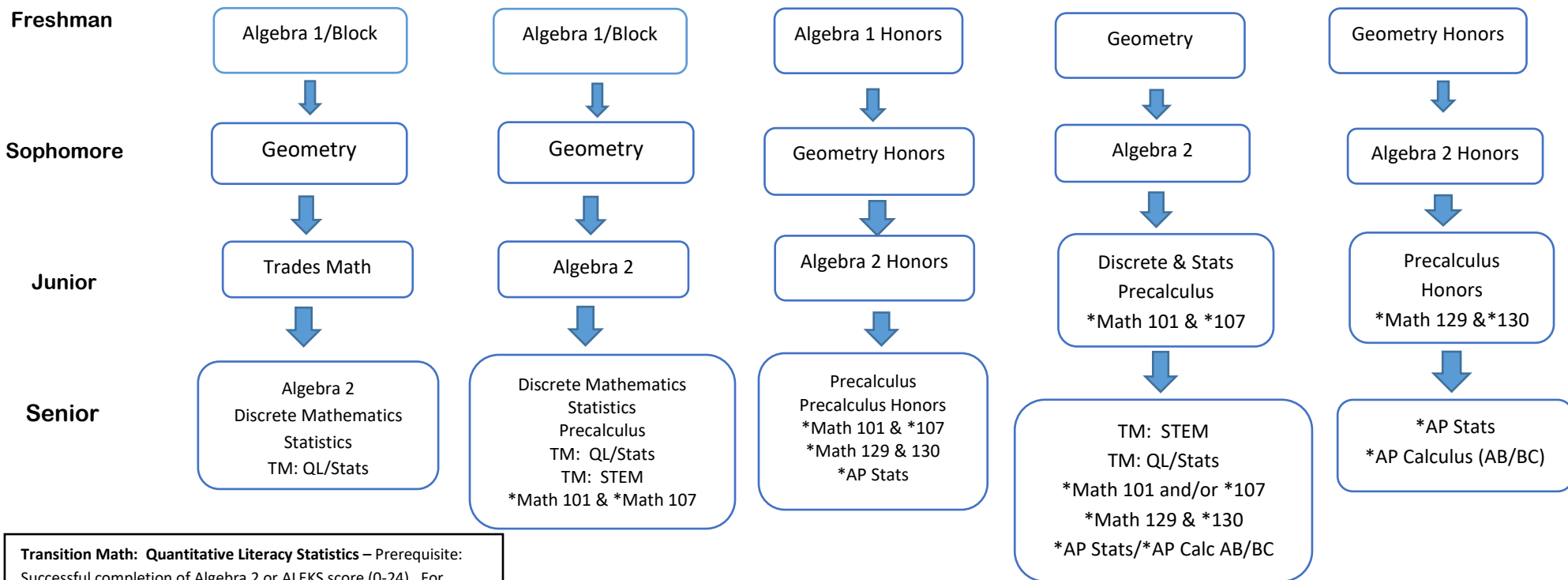
Prerequisite: Spanish for Heritage Speakers 2 Honors

State ID# 06106A000

Fees: Cost of selected paperback books

Description: This course is a continuation of Spanish for Heritage Speakers 2 Honors. 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. *This course carries a weighted grade.*

SUGGESTED MATH SEQUENCE



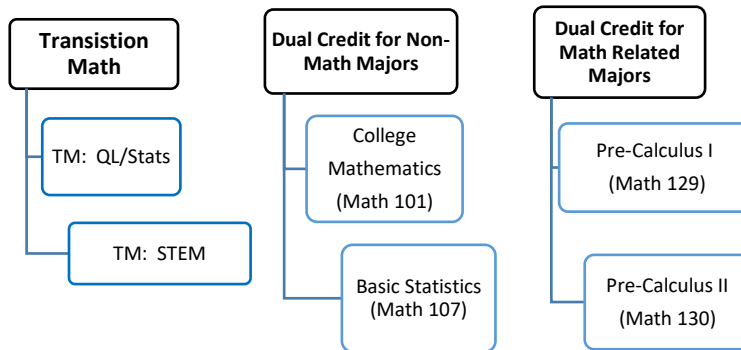
Transition Math: Quantitative Literacy Statistics – Prerequisite: Successful completion of Algebra 2 or ALEKS score (0-24). For students that are not pursuing a Math based major. This course will allow students to enter credit bearing math courses in college.

Transition Math: STEM (Science, Technology, Engineering, Math) - Prerequisite: Successful Completion of Algebra 2 & ALEKS score (25-39). For students that are pursuing a Math based major. This course will allow students to enter credit bearing math courses in college.

***College Mathematics (101)** - Prerequisite: SAT 530/ACT 22 in Math, or a “C” or better in each semester of QL/Stats or Intermediate Algebra, or earning a qualifying score on Accuplacer Math, **AND** successful completion of Algebra 2 (regular or Honors)

***Basic Statistics (107)**- Prerequisite: SAT 530/ACT 22 in Math, or a “C” or better in each semester of QL/Stats or Intermediate Algebra, or earning a qualifying score on Accuplacer Math, **AND** successful completion of Algebra 2 (regular or Honors), and a minimum of “C” in all previous WCC classes.

Asterisk (*) denotes Advanced Placement and Dual Credit courses.



Electives:

- *AP Computer Science A
- *AP Computer Science Principles
- Computer Programming I
- Computer Programming II

***Precalculus I (Math 129)** Prerequisite: SAT 530/ACT 22 in Math, or “C” or better in each semester of TM: STEM, or earning a qualifying score on Accuplacer Math, **AND** a “C” or better in each semester of Geometry and successful completion of Algebra 2 (regular or Honors)

***Precalculus II (Math 130)** Prerequisite: SAT 530/ACT 22 in Math, or “C” or better in each semester of TM: STEM, or earning a qualifying score on Accuplacer Math, or “C” or better in WCC Math 129 **AND** a “C” or better in each semester of Geometry and successful completion of Algebra 2 (regular or Honors) and a minimum of “C” in all previous WCC classes.

Mathematics

Algebra 1

Grades Open To: 9

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 02052A000

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 Block

Grades Open To: 9

Term: 1 & 2

Credit: 1.0 (elective only)

Prerequisite: Placement only

State ID# 02052A000

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 strengthen basic math skills that are needed to be successful in Algebra 1 and future math classes. Emphasis is placed on integer skills and basic equation 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

State ID# 02052A000

Description: This course is designed for students who have demonstrated a strong foundation in 8th grade math. All 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: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 1 & Geometry

State ID# 02056A000

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: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 1/Honors and Geometry/Honors

State ID# 02056A000

Description: This course is designed for students who have demonstrated a strong foundation in Algebra and/or Geometry. All 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

State ID# 02124A000

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

State ID# 02125A000

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: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Computer Programming II

State ID# 10157A000

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 Computer Science Principles

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: College Board recommends that students in the AP CSP course should have successfully completed a first-year high school algebra course.

State ID# 10161A000

Description: This course is designed to be equivalent to a first-semester introductory college computing science course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working both individually, and collaboratively to solve problems. Students will discuss and write about the impacts these solutions could have on their community, society, and the world.

Mathematics

AP Statistics

Grade Open To: 11-12
Prerequisite: Algebra 2

Term: 1 & 2

Credit: 1.0
State ID# 02203A000

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).***

Computer Programming I

Grade Open To: 9-12
Prerequisite: Algebra 1/Honors

Term: 1 or 2

Credit: 0.5
State ID# 10156A000

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.***

Computer Programming II

Grade Open To: 9-12
Prerequisite: Computer Programming 1

Term: 1 or 2

Credit: 0.5
State ID# 10156A000

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.***

Discrete Mathematics

Grade Open To: 11-12
Prerequisites: Algebra 1, Geometry, and Algebra 2

Term: 1 or 2

Credit: 0.5
State ID# 02102A000

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 logic. ***Graphing calculator required (TI-84, TI-84+ preferred).***

Geometry

Grade Open To: 9-10
Prerequisite: Algebra 1

Term: 1 & 2

Credit: 1.0
State ID# 02072A000

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)***

Mathematics

Geometry Honors

Grade Open To: 9-10

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 1/Honors

State ID# 02072A000

Description: This course is designed for the students who have demonstrated a strong foundation in Algebra 1 or Algebra 1 Honors. All 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).***

Pre-Calculus

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 1/Honors, Geometry/Honors, and Algebra 2/Honors

State ID# 02110A000

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 1/Honors, Geometry/Honors, and Algebra 2/Honors

State ID# 02110A000

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 Pre-calculus are covered in greater depth with enrichments and extensions. ***This course carries a weighted grade. Graphing calculator required (TI-84, TI-84+ preferred).***

Statistics

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Algebra 1, Geometry, and Algebra 2

State ID# 02201A000

Description: Student will 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.)***

Trades Math

Grade Open to: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Successful completion of both semesters of Algebra 1 and Geometry, concurrent enrollment in WILCO or completion of/concurrent enrollment in Introduction to CAD plus either Architectural CAD or 3D CAD/Solid Modeling.

State ID# 02152A000

Description: This course is designed to prepare students for a career in the trades. Students will be expected to use measurement tools to solve work-related problems without the use of a calculator. Topics include: fractions, decimals, ratios, proportions, measurement, use of the Pythagorean Theorem or 3:4:5 layout, plane geometry, area, volume, and business-related math skills. ***This course is not a college preparatory course and is not a NCAA Eligibility Center approved course. This course can be used to meet graduation requirements.***

Mathematics

JOLIET JUNIOR COLLEGE MATHEMATICS COURSES

Transition Math: STEM (Science, Technology, Engineering, Math)

Grades Open To: 12

Term: 1

Credit: 0.5

Prerequisite: Successful completion of Algebra 2 (Semester 1 & 2), and recommended minimum score of 25 on the ALEKS placement test through JJC.

State ID# 02055A001

Fees: Purchase of college textbook(s).

Description: This course will provide students the opportunity to solve complex, multi-step algebraic problems in the context of authentic situations. The topics of functions and graphs will be stressed in each topic area. Topics studied include lines, factoring, systems of equations, rational expressions, radicals, quadratics, and exponential functions. (Not intended for transfer. Earning a “C” or higher in this course places a student in credit-bearing math through WCC dual credit courses of College Mathematics (Math 101), or Basic Statistics (Math 107). **This course is not a NCAA Eligibility Center approved course.**

Transition Math: Quantitative Literacy Statistics

Grade Open To: 12

Term: 1

Credit: 0.5

Prerequisite: Successful completion of Algebra 2 (Semesters 1 & 2), and ALEKS placement test score of 24 and below through JJC.

Fees: Purchase of a college textbook(s)

State ID# 02201A001

Prerequisite: Successful completion of Algebra 2 (Semesters 1 & 2), and ALEKS placement test score of 24 and below through JJC.

Description: This course will focus on numeracy, algebra, functions, and modeling to prepare students for college and career pathways requiring general education college level math. Students will focus on gaining competency in general statistics, data analysis, quantitative literacy, and problem solving. (Not intended for transfer. Earning a “C” or higher in this course places a student in college credit-bearing math through WCC dual credit courses of College Mathematics (Math 101), or Basic Statistics (Math 107). **This course is not a NCAA Eligibility Center approved course.**

WAUBONSEE COMMUNITY COLLEGE

College Mathematics

Grade Open to: 11-12

Term: 1 or 2

Credit: 0.5

WCC Math 101 College Mathematics—3.0 credit hrs

IAI Code: M1 901

State ID# 02102A000

Prerequisite: SAT 530/ACT 22 in Math, or “C” or better in TM: QL/Stats or TM: STEM, or earning a qualifying score on Accuplacer Math, **AND** successful completion of Algebra 2 (Regular or Honors)

Fees: \$36.00 course fees and purchase of college textbook(s).

Description: This course in mathematics is designed to satisfy the general education requirement at the university level. The emphasis of the course is on understanding logical arguments, doing abstract thinking and solving real world problems. Topics covered include statements and arguments, geometry in problem solving, unit conversions, estimation, approximation, and judging reasonableness of answers, problem solving and statistics. **This course carries a weighted grade. Course offering dependent upon teacher availability and WCC approval.**

Mathematics

WAUBONSEE COMMUNITY COLLEGE

Basic Statistics

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

WCC Math 107 Basic Statistics-3.0 credit hrs

IAI Code: M1 902

State ID# 02202A000

Prerequisite: SAT 530/ACT 22 in Math, or “C” or better in TM: QL/Stats or TM: STEM, or earning a qualifying score on Accuplacer Math, **AND** successful completion of Algebra 2 (Regular or Honors), and a minimum of “C” in all previous WCC classes.

Fees: \$36.00 course fees and purchase of college textbook(s).

Description: This course focuses on statistical reasoning and the solving of problems using real-world data rather than on computational skills through the use of technology-based computations with an emphasis on interpretation and evaluation of statistical results. Topics include data collection processes, descriptive methods using quantitative and qualitative data, bivariate data, correlation, and least squares regressions, basic probability theory, probability distributions (normal distributions and normal curve, binomial distribution), confidence intervals, and hypothesis tests using p-values. ***This course carries a weighted grade. Course offering dependent upon teacher availability and WCC approval.***

Pre-Calculus I

Grade Open To: 11-12

Term: 1

Credit: 0.5

WCC Math 129 Precalculus I- 3.0 credit hrs

IAI Code: None

State ID# 02110A000

Prerequisite: SAT 530/ACT 22 in Math, or earning a qualifying score on Accuplacer Math, **AND** a “C” or better in each semester of Geometry and successful completion of Algebra 2 (Regular or Honors)

Fees: \$36.00 course fees and purchase of college textbook(s).

Description: This course is designed to provide the STEM student with basic algebraic concepts needed to continue on to MTH131. Topics include: real numbers, complex numbers, algebraic methods to find solutions of inequalities and equations, coordinate systems functions, polynomials, rational functions, radical functions, absolute value of functions, and graphing and transformations of functions. While there may be overlap with topics from College Algebra, this course develops these topics in a rigorous manner and should not be considered equivalent to Algebra for Business and Social Science (MTH109). ***This course carries a weighted grade. Course offering dependent upon teacher availability and WCC approval.***

Pre-Calculus II

Grade Open To: 11-12

Term: 2

Credit: 0.5

WCC Math 130 Precalculus II- 3.0 credit hrs

IAI Code – None

State ID# 02110A000

Prerequisite: : SAT 530/ACT 22 in Math, or earning a qualifying score on Accuplacer Math, or “C” or better in WCC Math 129 **AND** a “C” or better in each semester of Geometry and successful completion of Algebra 2 (Regular or Honors), and a minimum of “C” in all previous WCC classes.

Fees: \$36.00 course fees and purchase of college textbook(s).

Description: This course in trigonometry of the plane concentrates on trigonometric, exponential, and logarithmic functions and their applications. Topics covered include the trigonometric functions, solution of right triangles, radian measure, fundamental identities, angular measure, graphs, logarithms, functions of composition angles, oblique triangles, trigonometric equations, inverse trigonometric functions, and complex numbers (including powers and roots). ***This course carries a weighted grade. Course offering dependent upon teacher availability and WCC approval.***

SUGGESTED PHYSICAL EDUCATION SEQUENCE

FRESHMAN

Wellness

SOPHOMORE

Driver's Ed in School

Health
(mandatory)

&

Driver's Ed

OR

Driver's Ed Outside of School

Skills for Healthy Living
(Soph health first)

Intro to Weight Training

Dance 1

Recreational Games

Team Activities

JUNIOR & SENIOR YEAR ELECTIVES

Skills for Healthy Living

Dance 1

Dance 2 (pass Dance 1)

Intro to Weight Training

Strength Performance
(pass Intro to Weight Training)

Recreational Games

Team Activities

Mind & Body Fitness

Leadership

Sports Medicine

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 previously.

State ID# 08049A000

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 previously.

State ID# 05001A000

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

State ID# 05002A000

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.

State ID# 08201A000

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 related to CPR.

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, including Scott's Law and distracted driving. Driver Education has a classroom requirement of 30 hours of seat time, 6 hours of behind the wheel (BTW), and 6 hours of in-car observation time. The classroom portion is offered during the regular school day and BTW is offered during and after school hours along with break and summer driving. 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 Team Activities

Grade Open To: 11-12

Term: 1

Credit: 0.5

Prerequisite: Open to sophomores who have taken Driver Education previously.

State ID# 08002A000

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

State ID# 08051A000

Description: The purpose of this one semester course is to teach students the skills necessary to create a healthy lifestyle and promote personal, family, and community health. The skills will focus on analyzing influences on health, health promotion and disease prevention, accessing valid and reliable information, interpersonal communication, decision making, goal setting, advocacy, and the ability to practice health-enhancing behaviors.

Introduction to Weight Training

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Open to sophomores who have taken Driver Education previously.

State ID# 08009A000

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.

Leadership Training

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

PE Department Approval & Application

State ID# 22101A000

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.

Physical Education, Health, & Driver Education

Mind & Body Fitness

Grade Open To: 10 - 12

Term: 1 or 2

Credit: 0.5

Prerequisite: Health

State ID# 22206A000

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 previously.

State ID# 08004A000

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. 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: 10 – 12

Term: 1 or 2

Credit: 0.5

Prerequisite: Health

State ID# 08016A000

Description: This course builds upon skills previously learned in Health. It 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 in a classroom setting. The activities component consists of two days per week through a variety of fitness activities. This course may not be repeated for credit. Students must have a Physical Education uniform and school-approved lock.

Sports Medicine

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Open to sophomores who have taken Driver Education previously.

State ID# 08017A000

Fees: \$20 lab fees for supplied materials

Description: This course is an introduction to sports-related medical professions, such as athletic training, physical therapy, orthopedic medicine, emergency medical technician. The course may involve interaction between the local medical community and the school. Students may be expected to participate in fitness activities. Students must have a Physical Education uniform and school-approved lock. This course cannot be repeated for credit.

Physical Education, Health, & Driver Education

Spring Team Activities

Grade Open To: 11-12

Term: 2

Credit: 0.5

Prerequisite: Open to sophomores who have taken Driver Education previously.

State ID# 08002A000

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.

Strength Performance

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Pass Introduction to Weight Training

State ID# 08009A000

Description: This course is designed for students to build upon basic knowledge from the Introduction to Weight Training course and expand on advanced techniques for performance development. Students will focus on important concepts from basic biomechanics and exercise physiology and emphasize their application to design appropriate goal-oriented strength/power training and nutritional programs for specific needs. Strength Performance will emphasize the technique & mechanical characteristics of several complex weight training programs. Additional content will cover current trends in fitness and performance, nutritional influences, supplement safety/regulations, as well as exploring career in the fitness and performance development fields. This course may be repeated for credit.

Wellness

Grade Open To: 9

Term: 1 & 2

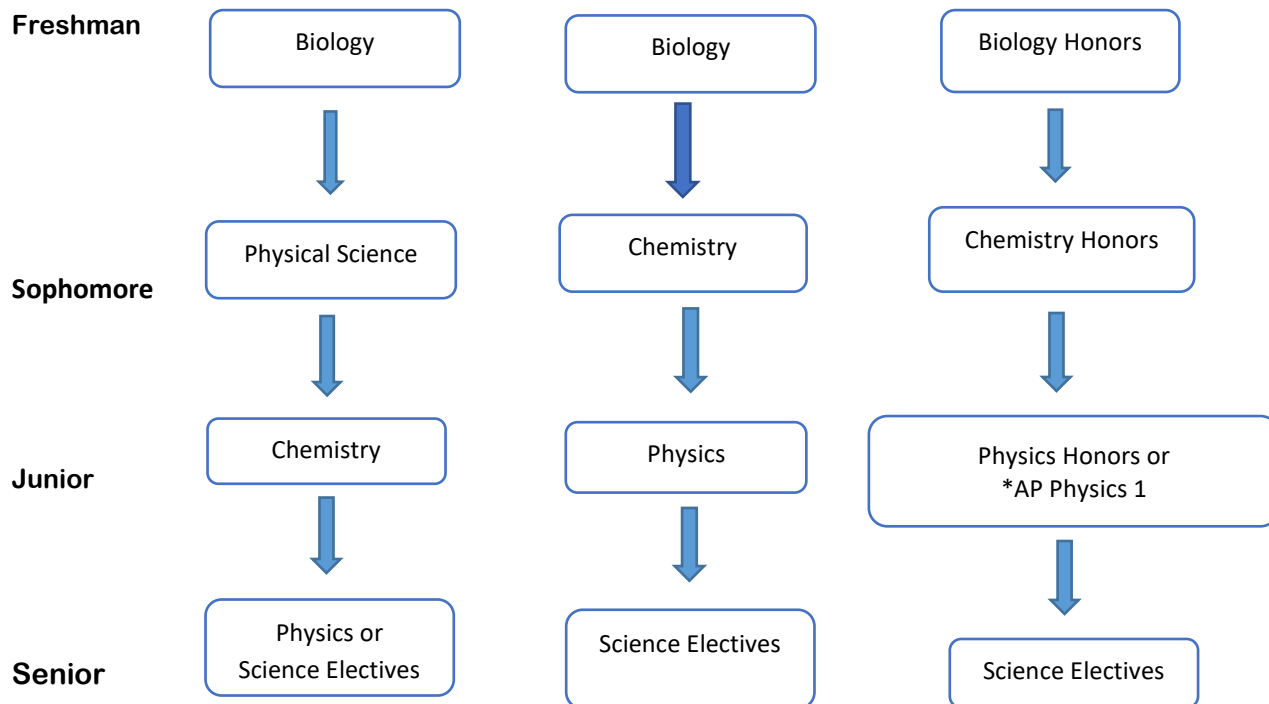
Credit: 1.0

Prerequisite: None

State ID# 08052A000

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.

SUGGESTED SCIENCE SEQUENCE



SCIENCE ELECTIVES

- AP Biology*
- AP Chemistry*
- AP Environmental Science*
- AP Physics 1*
- AP Physics 2*
- AP Physics C*
- Anatomy & Physiology Honors
- Forensic Science
- Environmental Science Issues
- Environmental Science Resources
- Human Biology (JJC Bio 125)*
- Basic Physics (JJC Phys 100)*

NOTES:

1. Most colleges & universities recommend 4 years of Science. However, a minimum of three Science credits are required for graduation in District 202. Biology, Chemistry, Physical Science or Physics are required.
2. Based on recommendation, Physical Science can replace Physics as a graduation requirement.
3. Asterisk (*) denotes Advanced Placement or Dual Credit courses.

Science

Anatomy and Physiology Honors

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Biology and Chemistry

State ID# 03053A000

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.***

AP Biology

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Biology or Biology Honors

State ID# 03056A000

Description: AP Biology is equivalent to a laboratory based, introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. It provides a solid preparation for the AP Biology exam. Students carry out a number of learning activities, including readings, interactive exercises, extension activities, hands-on and virtual laboratory experiments, and practice assessments. Students taking AP Biology should have successfully completed high school courses in biology and chemistry. Students perform college level work and are expected to take the Advanced Placement exam. ***This course carries a weighted grade.***

AP Chemistry

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Chemistry or Chemistry Honors and Algebra 1

State ID# 03106A000

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).***

Science

AP Environmental Science

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Biology and Chemistry

State ID# 03207A000

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.**

AP Physics 1

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Physics or Physics Honors or Teacher Recommendation

State ID# 03155A000

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, states of matter and heat. Computer technology will be employed to collect, analyze, and display data. **This course carries a weighted grade. Graphing calculator required (TI-84, or TI-84+ preferred).**

AP Physics 2

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Physics or Physics Honors or Teacher Recommendation

State ID# 03155A000

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: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Calculus or concurrently enrolled in Calculus

State ID# 03156A000

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).**

Science

Biology

Grade Open To: 9

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 03051A000

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

State ID# 03052A000

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.*

Chemistry

Grade Open To: 10-11

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 1

State ID# 03101A000

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

State ID# 03102A000

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).*

Environmental Science: Environmental Issues

Grade Open To: 10-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 03003A000

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: 10-12

Prerequisite: None

Term: 1 or 2

Credit: 0.5

State ID# 03003A000

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.***

Forensics

Grade Open To: 11-12

Prerequisite: Biology and Chemistry

Term: 1 or 2

Credit: 0.5

State ID# 03202A000

Description: This course involves components from all 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.***

Physical Science

Grade Open to: 10

Prerequisite: Biology & teacher recommendation

Term: 1 & 2

Credit: 1.0

State ID# 03159A000

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: 11-12

Prerequisite: Algebra 1

Term: 1 & 2

Credit: 1.0

State ID# 03151A000

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).***

Science

Physics Honors

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Algebra 2 or concurrent enrollment in Algebra 2

State ID# 03152A000

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).***

JOLIET JUNIOR COLLEGE SCIENCE COURSES

Human Biology

Grade Open to: 12

Term: 1 or 2

Credit: 0.5

JJC BIO 125 Human Biology– 4.0 credit hours

State ID# 03052A000

Fees: \$50.00 JJC fee and purchase of college textbook(s).

Prerequisite: Accuplacer Reading score of minimum 246, Accuplacer Writing score of minimum 5 or higher, and ALEKS minimum score of 14.

Description: A basic introduction to the structure and function of the human body. Includes fundamental biological principles. Major concepts involved in the support, movement, control and maintenance of the body and the continuance of the species are emphasized. This is a transfer course that fulfills the laboratory science requirement. Appropriate for non-science majors and those students needing a one semester anatomy/physiology course. ***This course carries a weighted grade. Course offering dependent on teacher availability and JJC approval.***

Basic Physics

Grade Open to: 12

Term: 1 or 2

Credit: 0.5

JJC Phys 100 Basic Physics – 4.0 credit hours

State ID# 03152A000

Fees: \$50.00 JJC fee and purchase of college textbooks.

Prerequisite: Accuplacer reading score of minimum 246, Accuplacer writing score of minimum of 5 or higher, and ALEKS minimum score of 27.

Description: This course introduces the basic principles and concepts of physics. It provides an overview in areas of mechanics, heat, sound, properties of matter, electromagnetism, optics and atomic/nuclear physics, and applies insights gained to explain common experiences such as the color of the sky. Students are also introduced to the use of microcomputers in physics. This course is designed to transfer as a lab science. ***This course carries a weighted grade. Course offering dependent on teacher availability and JJC approval.***

SUGGESTED SOCIAL STUDIES SEQUENCE

FRESHMAN

SOPHOMORE

JUNIOR

SENIOR

*AP Human Geography

World Cultures & Geography

World History or *AP World History

*AP European History

*AP Human Geography

US History or *AP US History

World Cultures & Geography

World History

Economics or *AP Economics

*AP European History

*AP Human Geography

Government or *AP Government

Psychology

*AP Psychology

*History of the US to 1865 (JJC HIST 103)

*History of the US, 1865-Present (JJC HIST 104)

*Psychology (JJC Psyc 101)

Sociology

Introduction to Criminal & Civil Law

US History or *AP US History

*Western Civilization I (JJC Hist 105)

*Western Civilization II (JJC Hist 106)

Economics or *AP Economics

*AP European History

*AP Human Geography

Government or *AP Government

Psychology

*AP Psychology

*History of the US to 1865 (JJC HIST 103)

*History of the US, 1865-Present (JJC HIST 104)

*Psychology (JJC Psyc 101)

Sociology

Introduction to Criminal & Civil Law

*Western Civilization I (JJC Hist 105)

*Western Civilization II (JJC Hist 106)

NOTES:

1. Generally, most colleges & universities recommend 3 years of Social Studies. However, a minimum of two Social Studies credits are required for graduation in District 202.
2. Asterisk (*) denotes Advanced Placement or Dual Credit courses.
3. Economics/AP Economics can be used toward the required Consumer Education credit; additional options can be found in the Career and Technical Education department's section of the Curriculum Guide.

Social Science

AP European History

Grade Open To: 10-12

Prerequisite: None

Term: 1 & 2

Credit: 1.0

State ID# 04056A000

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 principal 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.***

AP Human Geography

Grade Open To: 9-12

Prerequisite: None

Term: 1 & 2

Credit: 1.0

State ID# 04004A000

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

Prerequisite: None

Term: 1 or 2

Credit: 0.5

State ID# 04159A000

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

State ID# 04203A000

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

AP Psychology

Grade Open To: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 04256A000

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.***

AP U.S. History

Grade Open To: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 04104A000

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.***

AP World History

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 04057A000

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.***

Economics

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 04201A000

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.***

Social Science

Government & Civics

Grade Open To: 11-12
Prerequisite: None

Term: 1 or 2

Credit: 0.5
State ID# 04151A000

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.

Introduction to Criminal & Civil Law

Grade Open To: 11-12
Prerequisite: None

Term: 1 or 2

Credit: 0.5
State ID# 04165A000

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.

Psychology

Grade Open To: 11-12
Prerequisite: None

Term: 1 or 2

Credit: 0.5
State ID# 04254A000

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, brain and biology, and behavioral and psychological disorders.

Sociology

Grade Open To: 11-12
Prerequisite: None

Term: 1 or 2

Credit: 0.5
State ID# 04258A000

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.

U.S. History

Grade Open To: 10-12
Prerequisite: None

Term: 1 & 2

Credit: 1.0
State ID# 04103A000

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.

Social Science

World Cultures & Geography

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 04001A000

Description: This course is an introduction to our physical environment and the locational characteristics of human activities. It studies the inter-relationships of climate, landforms, 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.

World History

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 04099A000

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.

JOLIET JUNIOR COLLEGE SOCIAL SCIENCE COURSES

General Psychology

Grade Open to: 11-12

Term: 1 or 2

Credit: 0.5

JJC Psychology 101 General Psychology; 3.0 cr. hrs.

Prerequisite: Minimum grade of "C" in all previous JJC courses.

State ID# 04254A000

Fees: \$50.00 JJC fee and purchase of college textbook(s)

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

History of the United States to 1865

Grade Open to: 11-12

Term: 1

Credit: 0.5

JJC Hist 103 History of the US to 1865, 3.0 cr hrs

Prerequisite: Minimum grade of "C" in all previous JJC courses.

State ID# 54101A000

Fees: \$50.00 JJC fee and purchase of college textbook(s)

Description: A survey of the political, economic, social, religious, and cultural developments of the United States from 1492 to 1865. Emphasis is on such topics as colonial society, the American Revolution, the young republic, nationalism, expansionism, slavery, sectionalism, and the Civil War. ***This course carries a weighted grade. Course offering dependent upon teacher availability and JJC approval.***

Social Science

History of the United States, 1865-Present

Grade Open to: 11-12

Term: 2

Credit: 0.5

JJC Hist 104 History of the US 1865-Present, 3.0 cr hrs

Prerequisite: Minimum grade of "C" in all previous JJC courses.

State ID# 54101A000

Fees: \$50.00 JJC fee and purchase of college textbook(s)

Description: A survey of the political, economic, social, religious, and cultural developments of the United States from 1865 to the present. Emphasis is on such topics as post-war reconstruction, westward movement, industrialization, urbanization, imperialism, world conflict, race relations, and modern social and political reform. *This course carries a weighted grade. Course offering dependent upon teacher availability and JJC approval.*

History of Civilization I

Grade Open to: 11-12

Term: 1

Credit: 0.5

JJC Hist 105 History of Civilization I; 3.0 credit hrs

Prerequisite: Minimum grade of "C" in all previous JJC courses.

State ID# 04063A000

Fees: \$50.00 JJC fee and purchase of college textbook(s)

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.*

History of Civilization II

Grade Open to: 11 – 12

Term: 2

Credit: 0.5

JJC Hist 106 History of Civilization II; 3.0 credit hrs

Prerequisite: History of Civilization I and the minimum grade of "C" in all previous JJC courses. State ID# 04063A000

Fees: \$50.00 JJC fee and purchase of college textbook(s)

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.*

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).

*All course selections are made as the result of an IEP team recommendation. For sample course sequences, see <http://www.psd202.org/page/sped>

Critical Skills

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

State ID# 22003A000

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. This course may be repeated for credit.

Guided Study

Grade Open To: 9-12

Term: 1 & 2

Credit: N/A

Prerequisite/Grade Recommendation: IEP Team Recommendation

State ID# 22999A000

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: 9-10

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

State ID# 02001A000

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.

General Math 2

Grade Open To: 9-10

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

State ID# 02001A000

Fees: Students are required to purchase workbook.

Description: This is a special education course designed to provide foundations in pre-algebra concepts. Students will learn about fractions and decimals, inequalities, square roots, and irrational numbers. Other topics included are variables, algebraic patterns, expressions and algebraic rules and properties. The class will also address basic geometric concepts such as surface area and volume of 3D shapes along with measurements of angles and lines. 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

State ID# 02053A000

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

State ID# 02054A000

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

State ID# 02072A000

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

State ID# 02157A000

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, and paying income taxes. Instruction is individualized as needed.

Special Education

English A/Block

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0/2.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

State ID# 01009A000

Fees: None

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 structured in a block to support literacy development. The English A course will be given for English credit while the Reading A Course will be given for elective credit. This course may be repeated for credit.

English C/Block

Grade Open To: 9-12

Term: 1 & 2

Credit: 1.0/2.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

State ID# 01009A000

Fees: None

Description: This 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 may be offered in two periods in one-year (Block format) or as a single period over a two-year period to support 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

State ID# 01051A000

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

State ID# 01052A000

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.

Special Education

English I

Grade Open To: 9

Term: 1 & 2

Credit: 1.0

Prerequisite: IEP Team Recommendation

State ID# 01001A000

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.

English II

Grade Open To: 10

Term: 1 & 2

Credit: 1.0

Prerequisite: IEP Team Recommendation

State ID# 01002A000

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. Second semester focuses on persuasive techniques, formalizing claims, and writing a formal research paper.

English III

Grade Open To: 11

Term: 1 & 2

Credit: 1.0

Prerequisite: IEP Team Recommendation

State ID# 01003A000

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, and citing specific textual evidence.

English IV

Grade Open To: 12

Term: 1 & 2

Credit: 1.0

Prerequisite: IEP Team Recommendation

State ID# 01004A000

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. Through both written and verbal presentations, students will construct arguments that present ideas rooted in analysis, reflection, and research.

Social Communication

Grade Level: 9-12

Term: 1 & 2

Credit: 1.0 PE Credit (1st year only)

Prerequisite/Grade recommendations: IEP Team Recommendation

State ID# 22253A000

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 for a maximum of two years.

Special Education

Biology

Grade Level: 9-10

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade recommendations: IEP Team recommendation

State ID# 03051A000

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.

Chemistry

Grade Open to: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

State ID# 03101A000

Description: This year-long special education course is designed for students to increase their exposure to the science of chemistry. It explores modern chemical concepts such as matter atomic structure, periodic table, 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, basic chemistry and math skills. Instruction is individualized as needed. **Graphing calculator required (TI scientific preferred.)**

Physical Science

Grade Level: 10-11

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade recommendations: IEP Team Recommendation

State ID# 03159A000

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, and 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

State ID# 04103A000

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.

Special Education

Government & Civics

Grade Open to: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite/Grade recommendations: IEP Team Recommendation

State ID# 04151A000

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.

Economics

Grade Open To: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite/Grade Recommendation: IEP Team Recommendation

State ID# 04201A000

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

State ID# 08057A000

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 lifestyle, 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 sem

Prerequisite/Grade Recommendation: IEP Team Recommendation

State ID# 08001A000

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)

State ID# 22151A000

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)

State ID# 22151A000

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)

State ID# 22152A000

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. 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)

State ID# 22153A000

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

State ID# 22153A000

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

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.

Language Arts

Grade open to: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

State ID# 22252A000

Description: The students will develop basic literacy 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 (IEP). Areas of concentration include reading, writing, communication/social skills, and emotional development.

Math

Grade open to: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

State ID# 02002A000/02157A000

Description: 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, time, and money concepts.

Physical Education

Grade open to: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

State ID# 08001A000

Description: 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

Grade open to: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

State ID# 03999A000

Description: The students will develop basic science skills in conjunction with family and consumer science skills in this course. The skills taught will help to develop independent functioning in the community. The program will allow practical application of the skills taught in the classroom through community-based experiences. The topics covered in this class include, but are not limited to weather, energy, earth science, animals, personal hygiene skills, eating skills, consumer education, cooking skills, home management & maintenance, and basic health & first aid.

Special Education (Score)

Social Studies

Grade open to: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: IEP Team Recommendation

State ID# 22253A000

Description: 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

Grade open to: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite/Grade Recommendation: IEP Team Recommendation State ID# 22151A000 / 22152A000 / 22153A000

Description: 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. 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.***

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.

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.

Wilco Area Career Center

Wilco's programs are designed to offer students career-based courses providing skills required for continuing education and/or employment upon completion. Students attend one of three sessions. Courses are scheduled at the home school. Some programs or levels may not be available each session.

Early Bird	6:25 a.m.	-	7:45 a.m.
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.

ACE: Architecture, Construction Management, and Engineering

Grade Open to: 12

Term: 1 & 2

Credit: 3.0

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

Transportation: Student must provide transportation to the 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. **Students will need their own transportation to and from class at Joliet Junior College Main Campus. Application to the program is required.** They will be dual enrolled earning high school and college credit for ARCH 100, CM 100, EGR 105/AEC 299, AEC 106, OPS 111 and SET 100, (JJC 12 credit hours). *Guidance Note: Recommended that students have earned a 'C' or higher in all mathematics courses and have achieved senior status. This course carries a weighted grade.*

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.

Transportation: Student must provide transportation to the JJC Main Campus

This senior only program is offered in partnership with Joliet Junior College and will be held at Main Campus on Houbolt 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 at Joliet Junior College Main Campus. Application to the program is required. Students must submit an application to the Technical Department at Joliet Junior College. Application to the program is required. Students will be dual enrolled earning high school and college credit: IMT101, IMT121, EEAS111, and EEAS101 (JJC 14 credits).** *Guidance Notes: Solid math skills needed with record of good attendance and behavior. This course carries a weighted grade.*

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 work shirt, safety glasses, and nitrile gloves. **Guidance Notes:** 70% of time in lab, assignment and test for each area/chapter.

Auto Services (Mechanics) II – Offered only as Early Bird or 3rd session

Grade Open To: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: Auto Services (Mechanics I)

Transportation: Students must provide their own transportation.

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. The 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, work shirt, 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, JJC 3 credit hours.** **Guidance Notes:** 70% of time in lab, assignment, and test for each area/chapter.

Aviation Mechanics

Grade Open to: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: Students selected for enrollment in college-level courses must have appropriate academic qualifications which include minimum 3.0 GPA, Algebra I and II with a grade of "C" or higher, Physics with a grade of "C" or higher, and a high level of motivation, adequate time to devote to studying a college-level course.

Transportation: Students must provide their own transportation to/from Lewis University.

Description: This senior only course is offered in partnership with Lewis University. Students will participate in a blended learning environment: completing classroom assignments online at Wilco Area Career Center and lab assignments at Lewis University. Fall semester students will take AVMT-10600 Aviation Fundamentals (LU 4 college credit hours) where students will learn about aerodynamics, aircraft design, stability, control, Federal Aviation Administration regulations and publications, weight and balance, and ground handling of aircraft. 90 contact hours (60 lecture/ 30 lab). Meets requirements of 14 CFR 147.

Spring semester students will take AVMT-11000 Aircraft Structures 1 (LU 4 college credit hours) where the focus of the course will be riveting and sheet metal repair, including aluminum, forming and layout and oxyacetylene welding operation. Corrosion and corrosion control are also studies. 180 contact hours (60 lecture/ 120 lab). Meets requirements of 14 CFR 147. **This course carries a weighted grade.**

Wilco Area Career Center

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 years.

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

Description: The barbering program is offered at Champions Beauty and Barber University in Aurora, 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 activities completed in this course will also include advanced theoretical and practical skill development building to the 1500 hours of study needed in barbering and to prepare students for the barbering license exam. **Students must have their own transportation and pay additional tuition to Champions Beauty and Barber University; estimated cost is \$3,900 or \$2,500 dependent on 13 month or 2 years.** **Certifications:** Program completion allows students to sit for the Illinois Department of Public Health Barbering license.

Business Logistics

Grade Open to: 11 – 12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Description: This course is a dual credit course offered in partnership with Joliet Junior College. Specifically, this program emphasizes the essentials of supply chain and operations management, the transportation and distribution process, cargo security compliance, import/export fundamentals as well as the professional business and communication skills required to excel in the field. The course includes a sequence of four classes: Transportation & Physical Distribution (SCM100/JJC 3 credit hours), Introduction to Supply Chain Management (SCM110/ JJC 3 credit hours), Introduction to Import/Export (SCM120/ JJC 3 credit hours), and Transportation and Cargo Security (SCM140/ JJC 2 credit hours) for a total of 11 college credit hours. It is open to junior or seniors; however, to complete the certificate, students must begin the program during their junior year but can take the Business Logistics or Business Management course in either order. Students may enroll in a qualifying course concurrently at their home school to meet the additional business course needed to complete the sequence.

Business Management

Grade Open to: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: None

Description: Students who complete this course will earn the Customer Service Certificate of Completion from Joliet Junior College. The Customer Service Representative is a vital member within an organization as an initial point of contact for customers as well as a direct link to the sales force. Customer Service Representatives provide information and specialized advice relating to products and services offered, they anticipate customer needs, they process orders and returns, and resolve complaints. This certificate provides a solid foundation in business communication, human relations, and principles for excellence in customer service. Students graduating with this certificate are prepared to enter the customer service field in entry-level positions. Student will earn dual credit from Joliet Junior College in Principles of Business Communications (BUS111), Customer Service (BUS110), Human Relations (MGMT 102), and Operations Management (SCM 130) totaling 12 college credits.

Wilco Area Career Center

Certified Nursing Assistant

Grade Open To: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: Estimated cost of participation is \$150 with an additional \$75 for the State CNA exam in December.

Transportation: Student must provide own transportation to clinical site.

Description: The Certified Nursing Assistant program is a **junior/senior** 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 15th. 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. Many medical related college programs require clinical hours or specifically CNA certification before being admitted to the program. 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, JJC 6.0 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.

CERTIFIED NURSING ASSISTANT (Accelerated)

Grade Open to: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: Estimated cost of participation is \$150 with an additional \$75 for the State CNA exam in December.

Transportation: Student must provide own transportation to clinical site.

Description: The Accelerated Certified Nursing Assistant program is a **senior only** program structured to prepare the student for employment as a Certified Nurse Assistant during the first semester, and then students will transition to a work-based learning experience at AMITA St. Joseph Hospital along with additional lab skills and theory at Wilco during the 2nd semester on sterile processing and healthcare ethics. 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, vaccination record, and a TB test before September 15th. Before beginning the clinical experience, students must undergo a Health Care Worker criminal background check. Before beginning clinical at the hospital second semester, students will need a drug screening and proof the flu shot. Throughout the semester, students must maintain an 80% to remain eligible for Joliet Junior College credit, AMITA clinical, and Illinois Department of Public Health Certified Nurse Aide Exam. Many medical related college programs require clinical hours or specifically CNA certification before being admitted to the program. 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 (5.5 credit hours) College of DuPage. Estimated cost of participation is \$150 with an additional \$75 for the State CNA exam in December.** **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.

Wilco Area Career Center

CISCO NETWORKING

Grade Open to: 11 – 12

Term: 1 & 2

Credit: 3.0

Prerequisite for CNT 101 – None

Prerequisite for CNT 102 – CNT 101

Transportation: Students will need their own transportation to and from Joliet Junior College North campus in Romeoville.

Description: The Cisco program is offered in conjunction with Joliet Junior College and will utilize a hybrid course delivery model with in-person to be held at North campus in Romeoville, IL. Students must complete the first course with a “C” or higher to continue into second semester of the course. Good attendance is essential for college success. Students also need a strong math background and computer aptitude. *This course carries a weighted grade.*

The course aligns to four courses at Joliet Junior College:

CNT 101- Network Fundamentals (JJC 3 credits)

Study of the devices and protocols used to connect computers and support devices into a network. Topics include: OSI model (layers 1 & 2), IP and MAC addresses, TCP, ARP and RARP. The function of hubs, switches and routers are compared and contrasted. Also covered is media design, structured cabling, and network management. This course is the first of four that prepares students for the Cisco Certified Network Associate. This course is the first step in taking the CCNA certification exam offered by Cisco.

CNT 102 – Router Protocols and Concepts (JJC 3 credits)

This course is the second of four classes approved by Cisco Systems Inc., which prepares students for the Cisco Certified Network Associate (CCNA) exam. It concentrates on router configuration, and how remote networks are established, and connections maintained. Topics include: the basic of configuring a router through the command line interface, TCP/IP concepts used in routing and an introduction to both routing mechanisms distance vector and link state.

CIS 123 – Linux Essentials Network Development Group (3 credit hours)

This introduction to Linux course aligns to the Linux Professional Institute (LPI) Linux Essentials Professional Development Certificate. The skills taught in this course are applicable to a wide range of careers including networking, software development, server and desktop Linux administration. Students develop technical proficiency to work on the Linux command line and work with the open-source industry to obtain a basic understanding of security and administration related topics. The course is offered in partnership with the Network Development Group (NDG) and made available through Cisco Certified instructors with the Cisco Networking Academy.

CIS 162 – Wireless Foundations (3 credit hours)

This course is a wireless fundamentals course associated with a vendor-neutral certification. Students will work with wireless protocols, services, and devices to gain a hands-on look into facilitating a wireless network. No prior experience is necessary to begin this course.

Wilco Area Career Center

Computer Technology

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 planning to transfer to a four-year institution. 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. This course also introduces basic concepts regarding word processing, spreadsheet, power point and database management systems. At the end of the course, you will achieve a reasonable proficiency in the above areas. Syllabus (subject to change). The class meets in a PC-equipped classroom. **Joliet Junior College: CIS122 (JJC 4 credit hours)**

Data Communications and Networking: This course discusses the basic concept of Local Area Networking. Topics include networking overview, sharing computer resources, using emails, using file servers, protocols, different networking software, how to manage your network, and an introduction to Wide Area Network. **Students in this course are dual enrolled with Joliet Junior College: CIS145 (JJC 3 credit hours)**

A+ Guide to Managing and Maintaining Your PC: This course investigates the hardware components of the personal computer. Heavy emphasis is placed on diagnosing and maintaining the PC. Students will learn to install and re place the major hardware component of the system. The students will learn to work the BIOS/CMOS, as well as what it takes to build a PC. This is the first course in preparing for taking the Comp TIA A+ certification exam. **Joliet Junior College CIS275 (JJC 3 credit hours)** **Guidance Notes:** Weekly assignments, projects, and quiz. Heavy reading and lecture format.

Construction

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: Students will focus on the knowledge, hands-on skills, and workplace skills applicable to construction. Major units of instruction include personal safety, hand tools, power tools, blueprint reading, surveying, construction, landscaping, turf management and business. Construction skills will focus on carpentry, framing, roofing, finishing, and other components of Construction including career readiness skills of teamwork, communications, work ethics, problem solving, and adaptability. Supplemental units may be provided in plumbing, electricity, concrete, block laying, drywall and painting. Careers such as agricultural engineers, carpenter, plumber, electrician, concrete and block layers, finishers, safety specialists, landscape design, turf management, and other related occupations will be examined. **Guidance Note:** Recommended that students have earned a 'C' or higher in Geometry

Wilco Area Career Center

Cosmetology I & II

Grade Open To: 11-12 (13-month program for seniors and 2-year program for juniors)

Term: 1 & 2

Credit: 3.0

Prerequisite: none

Fees: \$1,800.00 - \$7,500.00 dependent upon cosmetology school and length of program (fees subject to change)

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. **There is a substantial student fee for this course ranging from \$1,800 to \$7,500**, which varies by cosmetology school and is subject to change. Registration needs to be done by first year students in early January through a separate application process found online at www.wilco.k12.il.us. Students may select from our four schools in Will/Grundy counties: Professional Choice in Joliet, Franklin Institute in Morris, Champions Beauty and Barber University in Aurora, and Lemont Nail Inn and School of Cosmetology in Lemont. Professional Choice limits participation to seniors who must start the program in July before their senior year. Cost, attendance times and dates vary per location. Please contact Wilco or the cosmetology school for more information. **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.

Criminal and Social Justice Studies

Grade Open To: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: None

CRJ 100 Intro to Criminal Justice: This course highlights courts, cops, and corrections. The course will provide students with an introduction to the nature of crime, examination of criminological theories and models, methods of preventing or reducing the commission of crime, as well as prosecution and punishment of offenders. Students will apply a clear understanding of preconditions and limitations of legal searches as outlined in our Constitution. Students will apply theories and concepts to the current work environment, evaluate photographs of criminal investigations and identify basic rules of evidence.

LENF 103 Criminal Law: Components, purposes, and functions of criminal law. Elements which are necessary to establish crime and criminal intent. Sources of criminal law, attempts and conspiracy, criminal responsibility, defenses to crime, laws of arrest, search and seizure, and civil law. Actual cases will be studies. Prerequisite(s): Placement into ENG 101 or minimum grade of "C" in one of the following: ENG 021 and ENG 099; or the EAP course sequence ENG 079 and ENG 089, or ENG 096.

Dual credit may be available through Joliet Junior College: **CRJ 100 and LENF 103** (6 credit hours). **Guidance notes:** *Daily assignments, projects, labs, and assessments. Heavy reading and report writing.*

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 \$65.00 for personal and safety equipment.

Description: Students have an 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. 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 SERV safe examination, students may earn credit from Joliet Junior College: CA 105 and CA 106, JJC 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 at WILCO or Culinary Arts I & II at their home school

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. Field trips to various restaurants and event centers will be utilized to reinforce concepts. Staffing, risk management, event evaluation, legal and financial concerns will also be addressed. JJC dual credit pending: **BUS 110** and **HOSP 148**, (JJC 6 credit hours). **Guidance Notes:** 60% of time in lab. Weekly assignments and quiz. Emphasis on mathematics at the Algebra level.

Early Childhood Education I

Grade Open To: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

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 include 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. Dual credit with Joliet Junior College: CDEV201. **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.

Wilco Area Career Center

Early Childhood Education II

Grade Open To: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: Early Childhood Education I

Fees: Estimated cost of participation is \$20

Description: Second year students continue to teach in the preschool lab but are considered “experienced teachers.” Course content includes child development, including literacy 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 childcare sites for observations, if their grades allow, and continue work on the Joliet Junior College coursework. Dual credit available with Joliet Junior College: **CDEV101** and **216** (JJC 6 credit hours). **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 Professions, or 80%/B or better or have completed three years of science with a ‘B’ or better

Fees: Estimate cost of participation is \$100.00, plus \$20.00 for the State Exam, if approved by IDPH.

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. If the program is approved by IDPH, students who successfully complete the course may take the EMT-Basic exam. **Dual credit available through College of DuPage with compliance with department requirements including ACT Composite of 20 or successful COMPASS placement: FIRE2271; COD 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.

Fire Science

Grade Open To: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: Expected cost of participation is \$75.00

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 firefighting 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 and Joliet Junior College: FIRE1100, and 2283/FIRE 101 and EMS 101 (7 credit hours).** **Certifications may include:** First Responder and American Health Care Provider CPR and FEMA IS100c (Introduction to the Incident Command System) and IS 700b (Introduction to the National Incident Management System). **Guidance Notes:** *50% of the time is in the lab. Emphasis on physical fitness, reading comprehension, and basic math.*

Wilco Area Career Center

Heavy Equipment Technology

Grade: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: Students must apply through WILCO and be interviewed

Fees: \$45.00 for program shirt (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 must provide daily transportation.

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, COD 5 credit hours. *Certifications may include: American Heart Association Health Care Provider CPR***

LANDSCAPING AND TURF GRASS MANAGEMENT

Grade: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: None

Description: This course focuses on the landscape, nursery, and turf segments of the horticulture history. Units of student instruction include identifying landscape plants, designing landscape plans for the WILCO Disc Golf course, hardscape construction techniques, and installing landscape plants. Also included are nursery production, turfgrass production, and maintenance of existing landscapes. Agribusiness units will cover calculating prices of work, managing a horticulture business, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Wilco Area Career Center

Law Enforcement and Public Safety

Grade: 11 or 12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: None

LENF 101 Introduction to American Policing: This course will highlight the introduction of modern policing and the study of law enforcement officers and policing strategies. This course will provide students with the history of law enforcement, an in-depth analysis of the American Constitution, and a career orientation emphasizing the realities of a career in law enforcement at local, state, and federal levels. This course will be complemented with physical training, career exploration, and other police tactic training. Placement into ENG 098- required for JJC dual credit (3 credit hours)

CRIJM 1145 Introduction to Homeland Security: An overview of the evolution of the Department of Homeland Security (DHS) in the U.S. and an analysis of the major policies, practices, concepts, and challenges confronting the field. Modern threats from domestic, international, and transnational terrorism will be addressed along with issues stemming from other forms of geopolitical conflict and natural disasters. The roles of various agencies under the authority of the DHS as well as other government entities, private organizations, and individual citizens in responding to modern threat landscape will be examined. Dual credit available through College of DuPage (3 credit hours).

Medical Assisting

Grade: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: None

Description: MA 102 Functional Anatomy & Physiology: The Medical Assisting program is designed for *seniors* to prepare students for a career as a member of a multidisciplinary health care team within an outpatient care setting. Students develop the skills necessary to perform entry-level administrative and clinical procedures. Students will learn patient care techniques and functional anatomy and physiology with medical terminology along with some diagnostic and specialty procedures. The position of an MA in the workplace focuses on the medical care of the patient, as well as the administrative work which differs from a CNA, as a CNA tends to take the role of caregiver to patients as well as help patients with medical needs. CNA's often serve patients who need long term care and in need of help with basic hygiene maintenance. A CNA will also tend to all bedside care of the elderly and can work in hospitals and nursing homes. MA's will administer injections, medications, and take the patient's health information. MA's will often perform office tasks as well as medical. They may gather patient's information as they check in to be seen and collect all insurance information from the patient. Dual credit pending with Joliet Junior College, JJC 4 credit hours. Certification 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: \$800.00

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.

Wilco Area Career Center

Veterinary Assistant I

Grades 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: \$30.00

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 is an integral part of this course, students are required to maintain a Supervised Agricultural Experience (SAE) and be a participating member in the FFA activities hosted by our Chapter. Students will be encouraged to volunteer at local veterinary offices and/or animal shelters. **Dual credit available through Joliet Junior College: AGR1119** (JJC 3 credit hours).

Veterinary Assistant II

Grades 12

Term: 1 & 2

Credit: 3.0

Prerequisite: Veterinary Assistant 1

Fees: \$20.00 FFA membership encouraged

Transportation: Students must have their own transportation to the clinical site.

Description: VET 100 Veterinary Medical Terminology: This course will teach the definition and uses of veterinary medical terminology. A mastery of veterinary medical terminology through a simplified learning process will build on commonly used word parts. Coursework will expand a student's knowledge of animal science and the care of animals including, office and hospital procedures, basic pharmacy and laboratory procedures, and radiology safety and diagnostic imaging. Students will practice and apply skills related to small animal nursing, aseptic technique, administering medications to patients, care and maintenance of nursing and surgical equipment. Topics will also be discussed relating to humane euthanasia, postmortem care, and compassion fatigue. On-the-job clinical instruction coordinated by the instructor at veterinary office or animal clinic is a required portion of the course. Eligible students will complete 100 hours of externship/clinical experience outside of the school/program's training facility working on unfamiliar animals. *To be eligible for the externship/clinical experience, students must maintain an 80% or higher grade for placement.* **Dual credit available through JJC: VET100 (2 credit hours).**

Welding I

Grade Open To: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: \$90.00 participation cost, necessary tools and safety clothing

Description: Welding I is an introductory orientation course which emphasizes safety, soft skills, job readiness, ongoing education and career planning. Topics will cover welding terms and symbols, blueprints, procedures, organizations as well as the technology used in the Welding industry. As an American Welding Society (AWS) Education Institution, this program is intended to prepare students for the expectations and demands of becoming an AWS Entry Level Welder. Students will also receive hands-on training on the fundamentals of the Arc Welding process. This includes exposure to: Shielded Metal Arc Welding (SMAW) and Gas Metal Arc Welding (GMAW). Additional training will cover Plasma Arc & Oxy-Fuel Cutting processes (PAC & OFC), the use of shop equipment, tools and techniques involved with welding mild steel. Upon completion of this course a student can earn an OSHA-10 certification and college credits through Joliet Junior College. Proficiency credit may be available through JJC: WLDG 101, and WLDG 110 (6 credit hours). *Guidance Notes: 70% of time in lab. Weekly assignments and quiz.*

Wilco Area Career Center

Welding II

Grade Open To: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: Welding I

Fees: Estimated \$90 participation fee and the purchase of necessary tools and safety clothing

Description: Welding II is intended for students seriously considering a career in the Welding and related industries. This is an intermediate course which emphasizes safety, Project Based Learning, career planning, basic shop drawing/blueprint reading, measurements, advanced applications of the Shielded Metal Arc Welding process, fundamental use of the Gas Metal Arc Welding process, Oxy/Fuel Cutting, and the use of shop equipment involved with welding and testing to Industry Specifications. Students in WLD-II will operate under reduced direct supervision and will be expected to perform tasks in a manner typical of apprentices and entry-level welders. Upon completion of this course a student may earn an OSHA-10 certification and college credits through Joliet Junior College. Proficiency credit may be available through JJC: **WLDG 101, WLDG 110, and WLD 140 (9 credit hours).**

Guidance Notes: 70% of time in the lab.

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