



Plainfield Community Consolidated School District 202



2026-2027 High School **CURRICULUM GUIDE**



We prepare learners for the future.

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 2026-2027 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 science, physical education/health/driver education, world languages, career and technical education, and fine arts. District 202 offers 28 Advanced Placement (AP) courses; 18 dual-credit courses through Joliet Junior College, Waubonsee Community College and University of St. Francis; vocational courses through the Wilco Area Career Center; special education 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 school 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

Dr. Glenn Wood
Superintendent



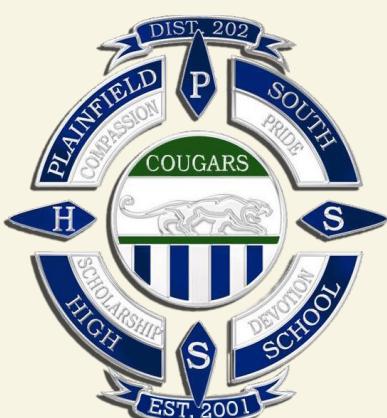


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**PLAINFIELD ACADEMY
ALTERNATIVE PROGRAMS**

Vision & Mission

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 lifelong 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 lifelong process
- Schools and changing society affect one another
- The primary function of the school is to educate

District 202 Personnel

Board of Education

- Rod Westfall - President
- Barbara Seiden – Vice President
- Elias Kalantzis- Secretary
- Margarita Morelos
- Dr. Joshua Ruland
- Nora Dalton
- Greg Nichols

District 202 Administration Curriculum & Instruction Grades 9-12

- Dr. Paula Sereleas - Asst. Supt. Curriculum and Instruction K-12

- Dr. Kate Morris - Director Curriculum and Instruction Grades 9-12


Curricular Policies & 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, credentialed staff, and appropriate facility space. District 202 Board of Education policy defines sufficient enrollment to be 15 students at the start of the school year. Also, it is expected that a student successfully completes a prerequisite before enrolling in a higher-level sequenced course.

In order to strive for equity in course offerings across all four high schools, some classes may be delivered in a virtual, synchronous environment. We anticipate these courses may be in the areas of upper-level electives and college-level credit courses. Students will participate in these online offerings during the school day in a supervised environment in the school setting. Students will be informed in the late spring/summer if their course will be online.

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.

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.

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.

Course Fees

Additional student fees are required for some courses. These fees are listed under the course descriptions and may change depending on vendor pricing.

Terminology

Credit is a measure of school achievement. A student receives one-half (0.5) unit credit for successful completion of the work in a course that meets for one semester. A student receives one unit (1.0) for successful completion of work in a course that meets for a full year. WILCO courses are 1.5 credits per semester.

A **Prerequisite** is a course or condition that a student must successfully complete or meet requirements before enrolling in another course.

A **Required Course** is a course that a student must successfully complete in order to earn a PSD202 diploma.

An **Elective Course** is a course that a student may choose to take in order to earn credit toward a PSD202 diploma.

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: failed a 2nd semester course, passed summer school course, failed summer school course, scheduling errors, adjustment necessitated by a student's IEP or specific college admission requirements.

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

Transfer Credits

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

Correspondence Credits

The option is limited to full time students or students who are not on schedule to graduate in time. A maximum of two correspondence credits may be taken to meet graduation requirements unless the building principal grants an exception. The grades earned in any correspondence course will not count toward the student's overall GPA. Prior to enrolling any correspondence course, students need to meet with a counselor for course approval. Correspondence credits must be accredited by Cognia or comparable associations.



Please use QR code or link here:
[Request for Pre-Approval for Non-District Coursework](#)

Dual Credit

District 202 has entered into cooperative agreements with Joliet Junior College (JJC), Waubonsee Community College (WCC) and University of St. Francis (USF) to offer dual credit coursework at each of its high schools. Students who successfully complete courses offered through these agreements receive both high school credit toward graduation and college credit. **Students may be required to take a placement exam outside the regular school day and earn a qualifying score before enrolling in a dual credit course.** JJC charges \$36 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.** District 202 faculty members teach dual credit courses. Courses offered are dependent upon teacher availability, student enrollment and college approval. Interested students should contact their counselors for additional information. Please see complete listing of [dual credit courses](#).

Grading System

A student's grade point average is calculated at the end of each semester and is cumulative on a 5.0 weighted scale. *GPA weighted scale is subject to change for the 2026-2027 school year.

Advanced Placement, Honors, and Dual Credit courses receive an additional grade point value for a C- or higher. Click here for full lists of [Advanced Placement](#) and [Dual Credit courses](#) available in our high schools.

Letter Grade	Regular	AP/Honors/Dual Credit	Transcript Legend
A	5	6.1	I: Incomplete
B	4	5.1	X: Audit
C	3	4.1	P: Pass/Not included in GPA
D	2	2	W: Withdraw
F	1	1	WF: Withdraw Failure
			IP: Course in Progress
			PC: Proficiency Exam Credit/Non included in GPA

Any mark accompanied by a “^” indicates that the course is not included in the GPA calculation on the credit total for the student.

Repeating a Course

A student may repeat a course previously taken for credit. The following will apply:

1. The higher of the two grades will be used to compute the GPA.
2. Both of the two grades will remain on the transcript. No credits will be issued for the lower grade, and this is represented by the “^”.
3. Students failing a required course must retake the same course for credit.

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.

The following grading scale is a guideline used by teachers:

A = 90-100 B = 80-89 C = 70-79 D = 60-69 F = 0-59

Honor Roll

Semester honor rolls are reported in two categories per grade level. High honor roll is the list of students who earned a GPA of 5.0 or higher for a semester. Honor roll is the list of students who earn a GPA of 4.0-4.99 for a semester. Any grades of D, F, WF or incomplete will disqualify a student from either honor roll. Students must be enrolled in a minimum of 2.5 credits per semester to qualify for either honor roll.

Seal of Biliteracy

What is the Seal of Biliteracy?

The [Illinois State Seal of Biliteracy](#) is an official recognition awarded to graduating high school students who demonstrate a high level of proficiency in English and in at least one additional language. The Seal appears on both the student's high school diploma and transcript.

Students who demonstrate proficiency in English and another language but fall slightly below the Seal level may earn the [Illinois Commendation toward Biliteracy](#). The Commendation recognizes students who have attained an Intermediate Mid-level of proficiency.

Benefits of the Seal

- College Credit:** Illinois law (Public Act 099-0127) requires all public universities in Illinois to award college credit in world languages to students who earn the Seal of Biliteracy. The amount of credit awarded is determined by each university.
- College Applications:** The Seal highlights valuable language skills on college applications.
- Career Readiness:** Employers value bilingual employees for their ability to communicate with diverse communities.
- Personal Achievement:** Recognition for maintaining and developing bilingual or multilingual abilities

For more information on the Seal in D202, please click here: [Seal of Biliteracy](#) or
scan the QR code:



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

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 courses is highly recommended for all students.

District 202 students must complete the required courses as well as a specified number of credits. (See "Credit Note" below)

1. Students are required to complete three years of math while in high school, including Algebra 1, Geometry, Algebra II or approved equivalent.
2. Students are required to take Biology, Chemistry, and Physics or Physical Science.
3. Students are required to pass the U.S. Constitution, Illinois Constitution, and Flag Code exams.
4. *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.*
5. One year of a course 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) This is accomplished in English 2/English 2 Honors.
6. Required courses that are failed must be repeated for credit in order to graduate.

NOTE: #1-#4 reflected on page 10 within the department section.

CREDIT NOTE:

25-26SY: Grades 11 & 12- 21 required credits; Grade 10, 22 required credits; Grade 9, 23 required credits.

26-27SY: Grade 12 - 21 required credits; Grade 11 - 22 required credits; Grades 9-10 - 23 required credits.

27-28SY: Grade 12 - 22 required credits; Grades 9-11 - 23 required credits.

Approved 12/18/2024

College & Career Readiness Recommendation

Content Area *Numbers CIRCLED apply to numbered sentences under TOTAL CREDITS.	D202 Graduation Requirements	Recommended High School Coursework for Illinois College Admission		
Department	Credits Required	Illinois State University	University of Illinois- Chicago	University of Illinois- Champaign
<u>English</u>	4	4	4	4
<u>Mathematics</u> 1	3	3	3-4	4
<u>Science</u> 2	3	2 with lab	3	4 with lab
<u>Social Science</u>	2	2	3	4
<u>US History/AP US History</u>	1			
<u>Government & Civics / AP US Government</u> 3	.5			
<u>Elective</u>	.5			
Consumer Education Courses that meet the requirement:	.5	X	X	X
<u>Economics / AP Microeconomics</u>	.5			
<u>Business & Consumer Education</u>	.5			
<u>Personal Finance (DC)</u>	.5			
<u>Work Internship Class</u>	1			
<u>Special Education</u> <u>Vocational Co-Op Class</u>	.5			
<u>Art, Career and Technical Education, or World Languages</u>	1	2-WL or 2 Fine Arts	2-WL	4-WL
<u>Physical Education</u>	4	X	X	X
<u>Health</u> 4	.5			
<u>Driver's Education</u>	.5			
	JR/SR	SO	FR	
Electives	3.5	4.5	5.5	2 X X
TOTAL	21	22	23	Please see specific college catalogs for requirements.

Four Year Planning Guide

Student _____ Graduation Year _____ Counselor _____ Date _____

FRESHMAN

1. English _____
2. Math _____
3. Science _____
4. Health _____
5. LUNCH
6. _____
7. _____
8. _____

Summer School

Session 1 _____
Session 2 _____

SOPHOMORE

1. English _____
2. Math _____
3. Science _____
4. Health _____
5. LUNCH
6. _____
7. _____
8. _____

Summer School

Session 1 _____
Session 2 _____

JUNIOR

1. English _____
2. Math _____
3. Science _____
4. Health _____
5. LUNCH
6. _____
7. _____
8. _____

Summer School

Session 1 _____
Session 2 _____

SENIOR

1. English _____
2. Math _____
3. Science _____
4. Health _____
5. LUNCH
6. _____
7. _____
8. _____

Summer School

Session 1 _____
Session 2 _____

Course	Required	College Prep (Recommend)	Earned
English	4.0	4.0	
Mathematics	3.0	3.0/4.0	
Science	3.0	3.0/4.0	
Consumer Education	0.5		
Social Science	2.0	3.0/4.0	
U.S. History	1.0		
Government & Civics	0.5		
Elective	0.5		
Physical Education	4.0		
Health	0.5		
Driver Education	0.5		
Art/World Languages/Music/CTE	1.0	2.0/4.0 (Foreign Language)	
Electives	3.5		

	Freshman	Sophomores	Juniors/Seniors
Total Credits	23	22	21

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.



Physical Education Exemptions

A student in grades 11-12 may request PE exemption from the building principal 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
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.

CCPE UNLOCK YOUR FUTURE

COLLEGE & CAREER PATHWAY ENDORSEMENTS



WHAT IS THIS ALL ABOUT?

1

- Why? Get a head start on college and your dream career!
- What's in it for You? Earn college credits, industry credentials, and real-world experience while still in high school.

3

LEVEL UP YOUR SKILLS

- Hit the Books: Take classes that match your career goals.
- Get Hands- On: Dive into internships or Work Based Learning to see the action up close.
- Earn Credits: Earn college or AP credits before graduation.

5

BENEFITS TO CONSIDER

- Be Ready: Step into the future with skills that matter.
- More Opportunities: Open doors to college and career options.
- Shine Bright: Earn a special endorsement on your diploma that stands out to colleges and employers along with recognition at graduation.

CHOOSE YOUR PATHWAY

2

- IT - Information Technology
- METT - Manufacturing
- Human and Public Services - Education
- Human and Public Services - Hospitality
- Human and Public Services - Public Services
- Health Sciences and Technology - Nursing
- Agriculture, Food and Natural Resources - Veterinary Services
- METT- Transportation



CHOOSE YOUR ADVENTURE

4

- Plan Your Path: Work with your counselor to pick the right classes.
- Team Up: Connect with local businesses, colleges and mentors.
- Get Support: Use the resources and guidance provided to successfully engage in your pathway.



Scan

to Learn About Our
Pathway Options



*METT = Manufacturing, Engineering, Technology and Trades

IT = Information Technology

Career & Technical Education - Business

Class Title	Grade Level	Page
<u>ACCOUNTING</u>	10-12	15
<u>ADVANCED ACCOUNTING</u>	11-12	15
<u>BUSINESS & CONSUMER EDUCATION</u>	9-12	15
<u>BUSINESS LAW</u>	11-12	16
<u>COMPUTER APPLICATIONS</u>	9-12	16
<u>DESKTOP PUBLISHING FOR MARKETING AND ADVERTISING</u>	9-12	16
<u>ENTREPRENEURSHIP</u>	11-12	17
<u>FOUNDATIONS OF IT SUPPORT I</u>	10-12	17
<u>FOUNDATIONS OF IT SUPPORT II</u>	10-12	17
<u>GAME PROGRAMMING & DESIGN</u>	9-12	18
<u>INTRODUCTION TO COMPUTER TECHNOLOGY</u>	9-12	19
<u>MERCHANDISING and MANUFACTURING</u>	9-12	19
<u>SPORTS AND ENTERTAINMENT MARKETING</u>	9-12	19
<u>WORK INTERNSHIP (WI)</u>	12	20
JOLIET JUNIOR COLLEGE BUSINESS COURSES		
<u>PERSONAL FINANCE</u>	11-12	20

Career & Technical Education - Business

ACCOUNTING

Grade Open to:	10-12	Term:	1 & 2	Credit:	1.0
Prerequisite:	None				
Fees:	Students are required to purchase the \$35 online resource.			State ID#	12104A001

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. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.*

ADVANCED ACCOUNTING

Grade Open to:	11-12	Term:	1 & 2	Credit:	1.0
Prerequisite:	Accounting			State ID#	12104A002

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. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.*

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 or Art, CTE, World Language requirement for graduation.*

Career & Technical Education - Business

BUSINESS LAW

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. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.*

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. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation. This course is part of the Industrial Technology CCPE course sequence. Please see page 13 for more information.*

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. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation. This course is part of the Industrial Technology CCPE course sequence. Please see page 13 for more information.*

Career & Technical Education - Business

ENTREPRENEURSHIP

Grade Open to:	11-12	Term:	1 & 2	Credit:	1.0
Prerequisite:	<u>Accounting, Business Law, Business & Consumer Ed, Personal Finance, or Sports & Entertainment Marketing</u>			State ID#	12053A001

Description: This full year course is open to juniors and seniors interested in entrepreneurship. Students will have the opportunity to create and fully develop their own product or service. Real-world entrepreneurs and business experts will serve as coaches and mentors guiding student teams through the process of ideation, market research, and business plan development. Student teams will learn about marketing, accounting, human resources, as well as the legal aspects of running a business to get them geared up for our version of 202's Pitch Night. Pitch Night presentations ignite the entrepreneurial spirit by putting student teams in front of actual investors to pitch their innovative idea and possibly earn funding to turn their business plans into reality. Students planning on majoring in business or pursuing entrepreneurial opportunities should take this course. However, regardless of career paths, INCubatoredu provides them with the opportunity to develop their communication, problem-solving, and collaboration skills. These skills are essential in today's workforce. **This class requires frequent public speaking and presentation obligations. This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.**

Foundations of IT Support I

Grade Open to:	10-12	Term:	1 (CTE elective cr)	Credit:	0.5
Prerequisite:	<u>Introduction to Computer Technology</u>			State ID#	10252A001

Description: The Foundations of IT Support course is designed to provide students with the fundamental knowledge and skills necessary to excel in entry-level IT support roles. In an increasingly digital world, the ability to troubleshoot technical issues and provide effective support is in high demand across various industries. This course comprehensively introduces the principles, practices, and tools used in Tier One IT support.

Throughout the course, students will explore key concepts such as computer hardware, operating systems, and common troubleshooting techniques. Emphasis will be placed on hands-on learning experiences, real-world simulations, and practical application of knowledge. **This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation. This course is part of the Industrial Technology CCPE course sequence. Please see page 13 for more information.**

Career & Technical Education - Business

Foundations of IT Support II

Grade Open to:	10-12	Term:	2 (CTE elective cr)	Credit:	0.5
Prerequisite:	Foundations of IT Support I			State ID#	13348A001

Description: The Foundations of IT Support II course is designed to provide students with the sequential fundamental knowledge and skills necessary to excel in entry-level IT support roles following Foundations of IT Support I. In an increasingly digital world, the ability to troubleshoot technical issues and provide effective support is in high demand across various industries. This course comprehensively introduces the principles, practices, and tools used in Tier One IT support.

Throughout the course, students will explore key concepts such as software fundamentals, operating systems, networking basics, and common troubleshooting techniques. Emphasis will be placed on hands-on learning experiences, real-world simulations, and practical application of knowledge. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation. This course is part of the Industrial Technology CCPE course sequence. Please see page 13 for more information.*

GAME PROGRAMMING & DESIGN

Grade Open to:	9-12	Term:	1 or 2	Credit:	0.5
Prerequisite:	None			State ID#	10201A001

Description: This 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. This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation. This course is part of the Industrial Technology CCPE course sequence. Please see page 13 for more information.*

Career & Technical Education - Business

INTRODUCTION TO COMPUTER TECHNOLOGY

Grade Open to:	9-12	Term:	1 or 2	Credit:	0.5
Prerequisite:	None			State ID#	10003A001

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

MERCHANDISING AND MANUFACTURING

Grade Open to:	10-12	Term:	1 or 2	Credit:	0.5
Prerequisite:	Business and Consumer Education or Computer Applications or Desktop Publishing for Marketing and Advertising or Introduction to Computer Technology or Sports Marketing and Entertainment or Game Programming and Design			State ID#	13001A001

Description: This introductory course will consist of developing an understanding of the duties, responsibilities, and problems of business owners. Students will learn how to receive, fulfill and deliver orders within the school environment. Other topics include franchising, legal aspects of business, financing, accounting, marketing, hiring, and motivating employees. Students will have the opportunity to apply their business organizational skills operating and managing a school run business. Students will design, create, and market various products using industry standards and machinery. *This course can be repeated for credit. This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.*

SPORTS AND ENTERTAINMENT MARKETING

Grade Open to:	9-12	Term:	1 or 2	Credit:	0.5
Prerequisite:	None			State ID#	12152A001

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. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.*

Career & Technical Education - Business

WORK INTERNSHIP (WI)

Grade Open to: 12 **Term:** 1 & 2 **Credit:** 3.0
(1 for class/2 for work)

Prerequisite/Grade Recommendation: Departmental application **State ID#** 22151A001

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 either the consumer education or elective requirement for graduation.*

DUAL CREDIT BUSINESS COURSES (in partnership with Joliet Junior College)

PERSONAL FINANCE

Grade Open to: 11-12 **Term:** 1 or 2 **Credit:** 0.5
JJC Finance 100 Personal Finance 3.0 cr. hrs.

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

Class Title	Grade Level	Page
<u>CHILD DEVELOPMENT</u>	9-12	22
<u>CULINARY ARTS 1</u>	9-12	22
<u>CULINARY ARTS 2</u>	9-12	22
<u>CULINARY ARTS 3</u>	10-12	23
<u>ELEMENTARY TEACHING INTERNSHIP</u>	11-12	23
<u>FASHION APPAREL and CONSTRUCTION 1</u>	9-12	23
<u>FASHION APPAREL and CONSTRUCTION 2</u>	9-12	24
<u>PARENTING</u>	9-12	24
<u>INTERIOR DESIGN 1</u>	10-12	24
<u>TEACHING THE PRESCHOOL CHILD</u>	10-12	25
DUAL CREDIT BUSINESS COURSES (in partnership with Joliet Junior College or University of St. Francis) CAREER EXPLORATION COURSES		
<u>CULINARY ARTS 3</u>	10-12	25
<u>EXPLORING THE TEACHING PROFESSION</u>	11-12	26
<u>TEACHING IN A DIVERSE SOCIETY</u>	11-12	26
<u>TECHNOLOGY FOR TEACHING & LEARNING</u>	11-12	26

Career & Technical Education - Family Consumer Science

CHILD DEVELOPMENT

Grade Open to:	9-12	Term:	1 or 2	Credit:	0.5
Prerequisite:	None			State ID#	19051A001

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. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation. This course is part of the Education CCPE course sequence. Please see page 13 for more information.*

CULINARY ARTS 1

Grade Open to:	9-12	Term:	1 or 2	Credit:	0.5
Prerequisite:	None			State ID#	16054A001

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. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation. This course is part of the Hospitality CCPE course sequence. Please see page 13 for more information.*

CULINARY ARTS 2

Grade Open to:	9-12	Term:	1 or 2	Credit:	0.5
Prerequisite:	<u>CULINARY ARTS I</u>			State ID#	16054A002

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. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation. This course is part of the Hospitality CCPE course sequence. Please see page 13 for more information.*

Career & Technical Education-Family Consumer Science

CULINARY ARTS 3

Grade Open to: 10-12

Term: 1 or 2

Credit: 0.5

Prerequisite: Culinary Arts 1 & 2

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

Dual Credit: Available only to 11-12

State ID# 16052A001

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. This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation. This course is part of the Hospitality CCPE course sequence. Please see page 13 for more information.*

ELEMENTARY TEACHING INTERNSHIP

Grade Open to: 11-12

Term: 1 or 2

Credit: OR 0.5

Prerequisite: TEACHING THE PRESCHOOL CHILD

State ID# 19055A001

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. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation. This course is part of the Education CCPE course sequence. Please see page 13 for more information.*

FASHION APPAREL AND CONSTRUCTION 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. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.*



Career & Technical Education - Family Consumer Science FASHION APPAREL AND CONSTRUCTION 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. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.*

INTERIOR DESIGN I

Grade Open to: 10-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 05193A001

Fees: Students may be required to purchase minimal supplies for projects (up to \$20).

Description: This introductory course introduces students to the fundamentals of interior spaces, design principles, and personal style. Students will explore the elements and principles of design, color theory, space planning, furniture arrangement, and the use of materials, textures, and finishes. Through hands-on projects, design challenges, and visual presentations, students will learn how to create functional and visually appealing residential spaces. Topics also include client needs, budgeting, trends in decor, and basic sketching or digital design tools. This course helps students develop their creativity, critical thinking, and problem-solving skills as they begin to build a design portfolio. Perfect for students with an interest in home decor, or design careers, this course lays the groundwork for more advanced interior design studies. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.*

PARENTING

Grade Open to: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 19052A001

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. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation. This course is part of the Education CCPE course sequence. Please see page 13 for more information.*

Career & Technical Education - Family Consumer Science

TEACHING THE PRESCHOOL CHILD

Grade Open to:	10-12	Term:	1 or 2	Credit:	0.5
Prerequisite:	<u>Child Development</u>			State ID#	19152A001

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. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation. This course is part of the Education CCPE course sequence. Please see page 13 for more information.*

DUAL CREDIT BUSINESS COURSES (in partnership with Joliet Junior College or University of St. Francis) CAREER EXPLORATION COURSES

CULINARY ARTS 3

Grade Open to:	10-12	Term:	1 or 2	Credit:	0.5
Prerequisite:	<u>Culinary Arts 1 & 2</u>			JJC CA 106 App. Food Serv. San. 2.0 cr. hr.	
Dual Credit:	Available only to 11-12			State ID#	16052A001

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. This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.*

Career & Technical Education - Family Consumer Science

EXPLORING THE TEACHING PROFESSION

Grade Open to: 11-12

Term: 1

Credit: 0.5

Prerequisite: None

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

Fees: \$50

State ID# 19151A001

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. This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation. This course is part of the Education CCPE course sequence. Please see page 13 for more information.*

TEACHING IN A DIVERSE SOCIETY

Grade Open to: 11-12

Term: 2

Credit: 0.5

Prerequisite: Exploring the Teaching Profession (Educ 107)

Univ. of St. Francis EDUC 210 3.0 cr. hr.

Fees: \$50; students are required to purchase a textbook

State ID# 19154A002

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 carries a weighted grade. Course offering dependent upon teacher availability and USF approval. This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation. This course is part of the Education CCPE course sequence. This course is part of the Education CCPE course sequence. Please see page 13 for more information.*

TECHNOLOGY for TEACHING & LEARNING

Grade Open to: 11-12

Term: 2

Credit: 0.5

Prerequisite: Exploring the Teaching Profession
(Educ 107)

Univ. of St. Francis EDUC 225 2.0 cr. hr.

Fees: \$50; students are required to purchase a textbook

State ID# 19155A001

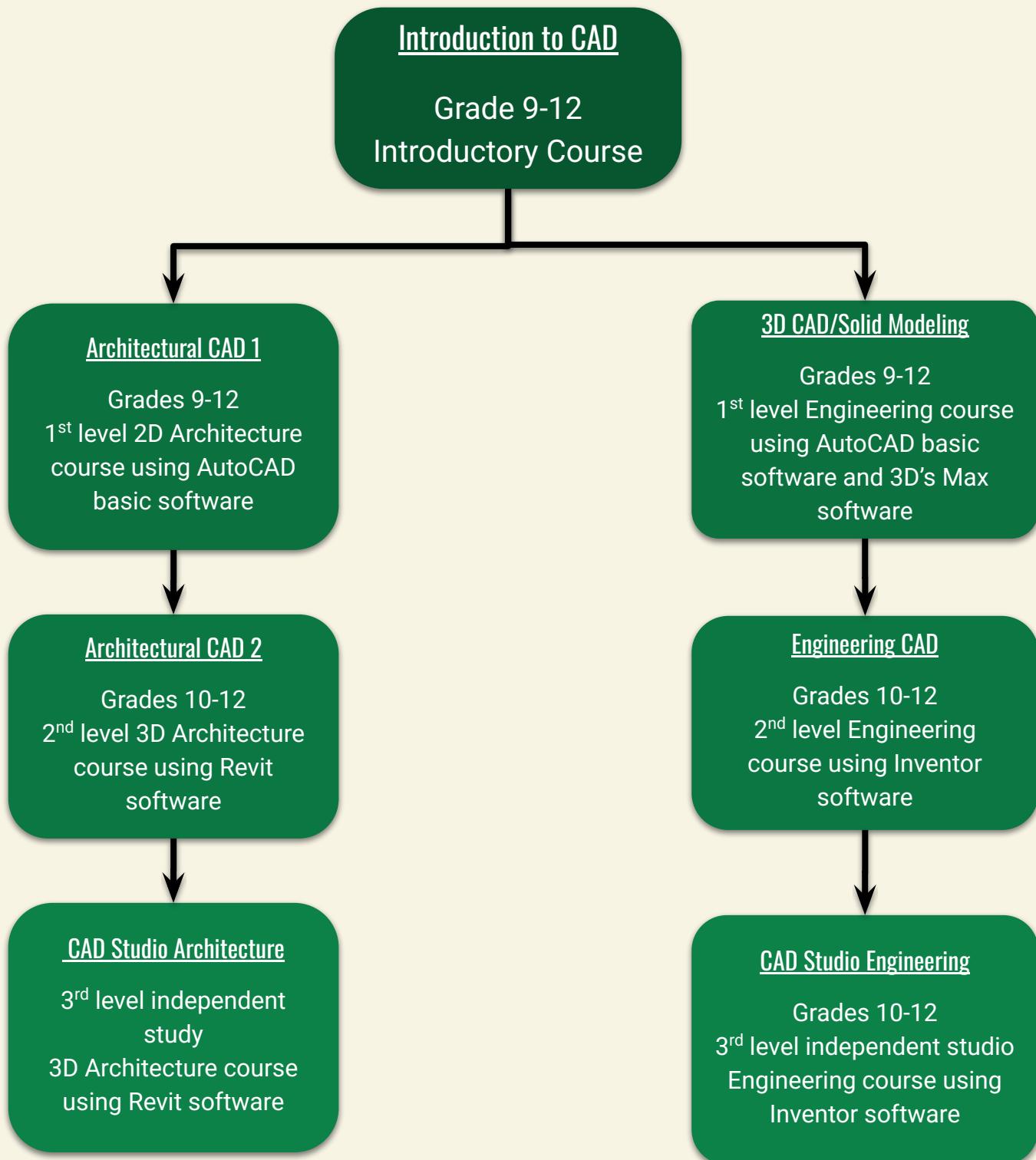
Description: This course provides students with a strong foundation of the role of technology in the teaching and learning process. Students will be introduced to digital citizenship, technology-based tools and media that support instruction, extend communication outside the classroom and increase productivity in daily tasks. *This course carries a weighted grade. Course offering dependent upon teacher availability and USF approval. This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation. This course is part of the Education CCPE course sequence. Please see page 13 for more information.*

Career & Technical Education - Industrial Technology

Class Title	Grade Level	Page
<u>3D CAD/SOLID MODELING</u>	9-12	29
<u>ARCHITECTURAL CAD 1</u>	9-12	29
<u>ARCHITECTURAL CAD 2</u>	10-12	29
<u>CAD STUDIO ARCHITECTURE</u>	10-12	29
<u>CAD STUDIO ENGINEERING</u>	10-12	30
<u>ENGINEERING CAD</u>	10-12	30
<u>INTRODUCTION TO CAD</u>	9-12	30
<u>INTRODUCTION to RESIDENTIAL ELECTRICAL SYSTEMS</u>	9-12	31
<u>INTRODUCTION to RESIDENTIAL PLUMBING SYSTEMS</u>	9-12	31
<u>MEDIA PRODUCTION & BROADCASTING</u>	10-12	32
<u>SMALL ENGINE REPAIR 1</u>	9-12	32
<u>SMALL ENGINE REPAIR 2</u>	9-12	32



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:	<u>Introduction to CAD</u>			State ID#	21102A001

Description: Students will learn advanced AutoCAD software and techniques to produce three-dimensional solids. Emphasis will be on creating and rendering 3D shapes by using primitives and extruding. Modifying and editing commands will be introduced as well as dimensioning and printing. Students will learn the basic fundamentals of drafting and computer aided drafting. This is a background course for any student interested in a career in design and/or engineering. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.*

ARCHITECTURAL CAD 1

Grade Open to:	9-12	Term:	1 or 2	Credit:	0.5
Prerequisite:	<u>Introduction to CAD</u>			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. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.*

ARCHITECTURAL CAD 2

Grade Open to:	10-12	Term:	1 or 2	Credit:	0.5
Prerequisite:	<u>Architectural CAD 1</u>			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. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.*

CAD STUDIO ARCHITECTURE

Grade Open to:	10-12	Term:	1 or 2	Credit:	0.5
Prerequisite:	<u>Introduction to CAD, Architectural CAD 1 & 2</u>			State ID#	21012A001

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. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.*

Career & Technical Education - Industrial Technology

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. This course will provide students with an overview of the fields of Civil Engineering and Architecture while discussing the interrelationship of both fields. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.*

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 3D 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 3D drawings. Editing, modifying, dimensioning, and printing will be emphasized. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.*

INTRODUCTION TO CAD

Grade Open to: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 21102A002

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. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.*



Career & Technical Education - Industrial Technology

INTRODUCTION TO RESIDENTIAL ELECTRICAL SYSTEMS

Grade Open to: 9- 12 **Term:** 1 or 2 **Credit:** 0.5

Prerequisite: None **State ID#** 17102A005

Fees: Student may be required to purchase a minimal number of supplies for projects (up to \$20) specifically for but not limited to personal protective equipment.

Description: Students will build knowledge in electrical theory as they engage in hands-on experiences installing, testing, and maintaining residential electrical systems. Instruction, curricular content, and activities will consider residential new construction, renovation, and maintenance as the course landscape. Students will install functional electrical systems from the service entrance to the breaker panel, then construct multiple types of individual circuits within the constraints of the International Building Code. Coursework will contain diagnostic analysis and also circuit restructuring applicable to renovation. Students will explore the various jobs in the residential electrical sector, and be able to prepare estimates. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.*

INTRODUCTION TO RESIDENTIAL PLUMBING SYSTEMS

Grade Open to: 9-12 **Term:** 1 or 2 **Credit:** 0.5

Prerequisite: None **State ID#** 17058A001

Description: Students will build knowledge in principles of plumbing as they engage in hands-on experiences installing, testing, and maintaining residential plumbing systems. Instruction, curricular content, and activities will consider residential new construction, renovation, and maintenance as the course landscape. Students will install functional plumbing systems on the supply and drainage sides within the constraints of the International Building Code. Coursework will contain diagnostic analysis and also plumbing restructuring applicable to renovation. Students will explore the various jobs in the residential plumbing sector, and be able to prepare estimates.

Career & Technical Education - Industrial Technology

MEDIA PRODUCTION and BROADCASTING

Grade Open to:	10-12	Term:	1 or 2	Credit:	0.5
Prerequisite:	None			State ID#	11051A000

Description: This course emphasizes the technical and creative aspects of television and film work using current industry standard software and equipment. Students learn how to operate cameras, editing software, and other broadcasting equipment. The semester class is spent working on editing projects, producing and directing a live in-studio television program and producing feature stories. This class can be repeated for credit. *This course is an elective credit. This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation.*

SMALL ENGINE REPAIR 1

Grade Open to:	9- 12	Term:	1 or 2	Credit:	0.5
Prerequisite:	None			State ID#	20110A001

Description: This semester course is designed for students who desire to learn about the operation and mechanical principles of engines and related machinery. Students will gain the knowledge and hands-on experience needed to work with these engines and related drive assemblies. The course also allows students to apply skills learned in math, English, and science to successfully complete their projects. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation. This course is part of the Transportation CCPE course sequence. Please see page 13 for more information.*

SMALL ENGINE REPAIR 2

Grade Open to:	9-12	Term:	1 or 2	Credit:	0.5
Prerequisite:	Small Engine Repair 1			State ID#	20110A003

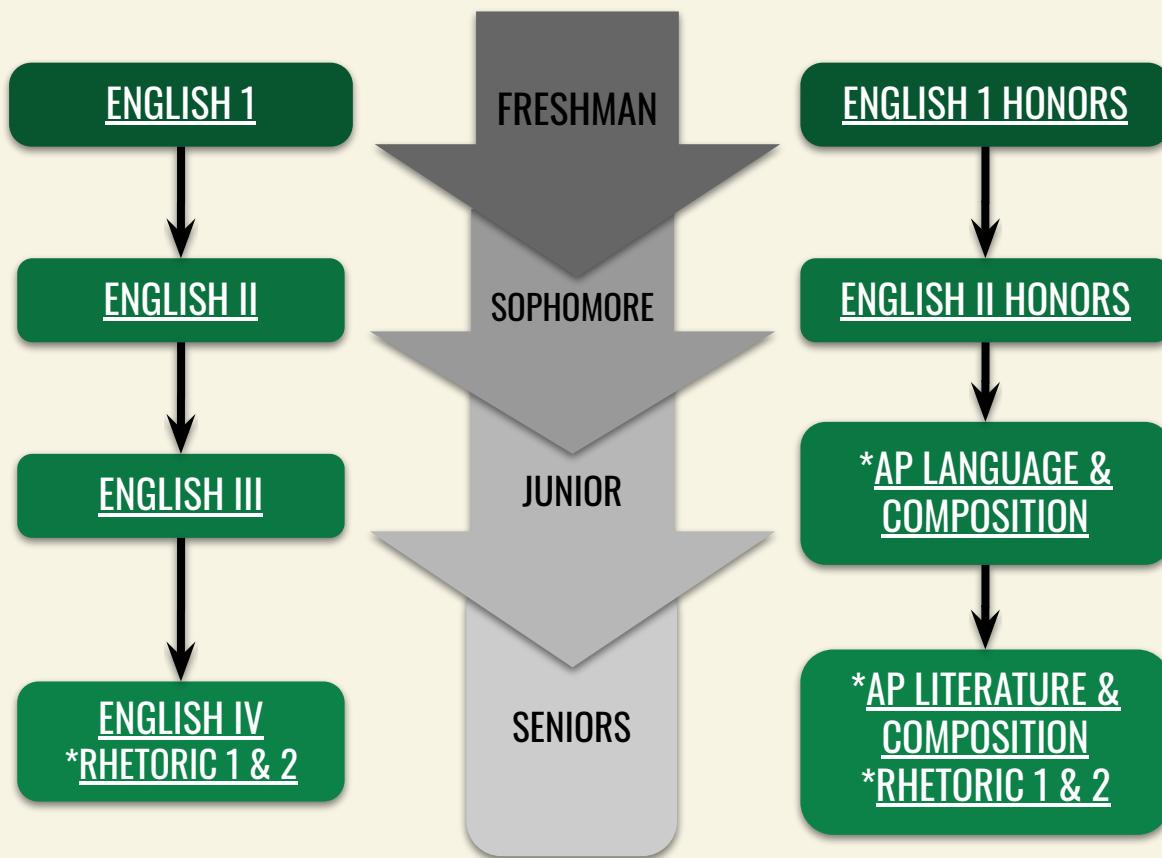
Description: This semester course builds on the skills learned in Small Engine 1, offering students a project-based learning experience. The course increases in complexity by introducing the machines that house small engines. Students will identify repair projects, diagnose issues, and create a detailed service plan, including time estimates and parts lists. They will complete the repairs and conduct test runs to ensure the engines are working properly. Depending on the complexity of the machine, students may work individually or in teams. *This course can be used to meet the Elective or Art, CTE or World Language requirement for graduation. This course is part of the Transportation CCPE course sequence. Please see page 13 for more information.*

ENGLISH

Class Title	Grade Level	Page
<u>AP ENGLISH: LANGUAGE & COMPOSITION</u>	11 or 12	35
<u>AP ENGLISH: LITERATURE & COMPOSITION</u>	12	35
<u>CREATIVE WRITING</u>	10-12	35
<u>ENGLISH I</u>	9	36
<u>ENGLISH I HONORS</u>	9	36
<u>ENGLISH II</u>	10	36
<u>ENGLISH II HONORS</u>	10	37
<u>ENGLISH III</u>	11	37
<u>ENGLISH IV</u>	12	37
<u>DIGITAL JOURNALISM & BROADCASTING 1</u>	10-12	38
<u>DIGITAL JOURNALISM & BROADCASTING 2</u>	11-12	38
<u>FILM & LITERATURE</u>	11-12	38
<u>MODERN & CONTEMPORARY SHORT STORY STUDIES</u>	11-12	39
<u>READING 1</u>	9-12	39
<u>READING 2</u>	9-12	39
DUAL CREDIT ENGLISH COURSES		
<u>RHETORIC 1</u>	12	40
<u>RHETORIC 2</u>	12	40

Suggested Course Sequence
CLICK HERE

SUGGESTED ENGLISH SEQUENCE



RHETORIC 1



RHETORIC 2



DUAL CREDIT FOR ENGLISH

ENGLISH IV:

Students who earn a "C" or higher in both semesters will earn a state portability code that qualifies them for college level coursework in English.

***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)
- Digital Journalism & Broadcasting I/II
- Creative Writing
- Film & Literature
- Modern & Contemporary Short Story Studies

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.
3. English Language Learners may be placed in any language proficiency rather than grade level.

ENGLISH

AP ENGLISH: LANGUAGE & COMPOSITION

Grade Open to:	11 or 12	Term:	1 & 2	Credit:	1.0
Prerequisite:	None				
Fees:	Cost of required novels		State ID#	01005A000	

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

AP ENGLISH: LITERATURE & COMPOSITION

Grade Open to:	12	Term:	1 & 2	Credit:	1.0
Prerequisite:	None				
Fees:	Cost of required novels		State ID#	01006A000	

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

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 the elective credit for graduation.*

ENGLISH

ENGLISH I

Grade Open to: 9

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Cost of required novels

State ID# 01001A000

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

ENGLISH I HONORS

Grade Open to: 9

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Cost of required novels

State ID# 01001A000

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

ENGLISH II

Grade Open to: 10

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Cost of required novels

State ID# 01002A000

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

ENGLISH

ENGLISH II HONORS

Grade Open to: 10 **Term:** 1 & 2 **Credit:** 1.0

Prerequisite: None

Fees: Cost of required novels **State ID#** 01002A000

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

ENGLISH III

Grade Open to: 11 **Term:** 1 & 2 **Credit:** 1.0

Prerequisite: None

Fees: Cost of required novels **State ID#** 01003A000

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

ENGLISH IV

Grade Open to: 12 **Term:** 1 & 2 **Credit:** 1.0

Prerequisite: None

Fees: Cost of required novels **State ID#** 01004A000

Description: Students will interpret and analyze multiple complex literary and informative texts independently and proficiently in order to evaluate author purpose and approach. They will synthesize and evaluate information and evidence from diverse media sources to communicate findings in various well-organized and audience appropriate formats. Through both written and verbal expression, students will construct unique arguments, appropriate to style and task, that present substantive ideas rooted in analysis, reflection, and research that demonstrate a strong command of Standard English grammar and elevated academic language. Students who earn a "C" or higher in both semesters will earn the state portability code that qualifies them for college level coursework in English. *This course can be used to meet the English requirement for graduation.*

ENGLISH

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 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 elective credit for graduation.*

DIGITAL JOURNALISM & BROADCASTING 2

Grade Open to:	11-12	Term:	1 & 2	Credit:	1.0
Prerequisite:	<u>DIGITAL JOURNALISM & BROADCASTING 1</u>			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. *This course may be taken for elective credit only and does not count toward elective credit for graduation.*

FILM & LITERATURE

Grade Open to:	11-12	Term:	1 or 2	Credit:	0.5
Prerequisite:	None			State ID#	01053A000

Description: The Film and Literature course explores the relationship between literary works and their film adaptations, providing students with an understanding of how narrative elements and themes are translated from text to screen. Through a combination of reading novels, short stories and plays alongside their corresponding film adaptations, students will analyze the ways in which directors, screenwriters, and actors interpret the source material. The course will also examine narrative techniques, character development, thematic representations, and visual storytelling. By the end of the course, students will have a deeper appreciation for both literature and film as storytelling mediums. *This course may be taken for elective credit only and does not count toward elective credit for graduation.*

ENGLISH

MODERN & CONTEMPORARY SHORT STORY STUDIES

Grade Open to: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 01061A000

Description: Modern and Contemporary Short Stories is a semester-long course designed to specifically study the short story as a form, an art, and an evolution. Exposure to a varied collection of authors and themes will cultivate a greater appreciation for the art of storytelling (and provide an opportunity to tell their own story). Students will read multiple short stories within a particular genre (i.e. science fiction, realistic fiction) for comparison, analysis, and enjoyment. *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 may be taken for elective credit only and does not count toward elective credit for graduation.*

READING 2

Grade Open to: 9-12

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.*

ENGLISH

DUAL CREDIT ENGLISH COURSES (in partnership with Joliet Junior College)

RHETORIC 1

Grade Open to: 12 **Credit:** 0.5
Term: 1 **State ID#:** 16052A001
JJC English 101 Rhetoric-3.0 cr. hrs.

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: \$36.00 JJC fee and students may be required to purchase novels +/or textbooks **State ID#:** 16052A001

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

RHETORIC 2

Grade Open to: 12 **Credit:** 0.5
Term: 2 **State ID#:** 01103A000
JJC English 102 Rhetoric-3.0 cr. hrs.

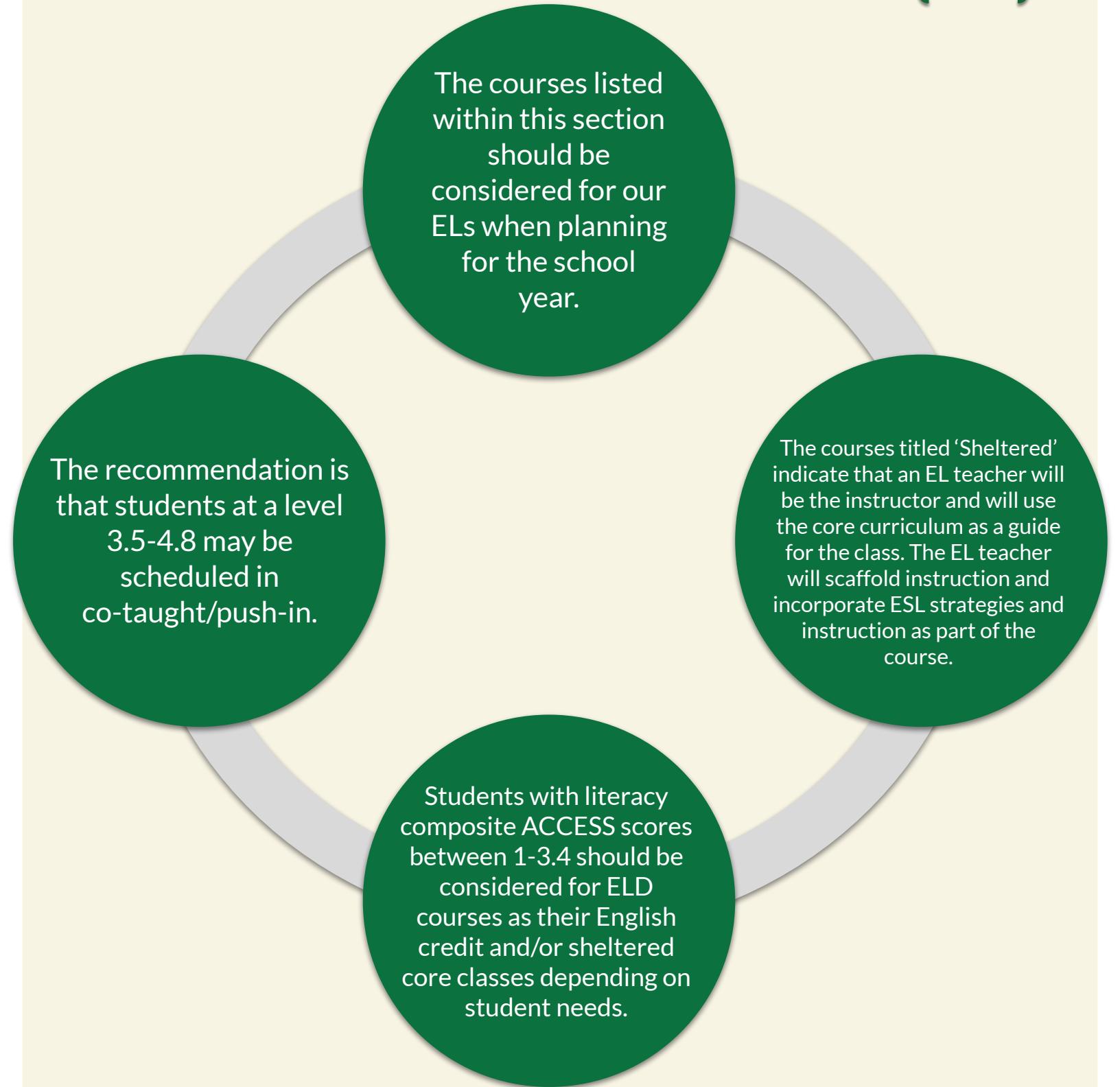
Prerequisite: Successful completion of Rhetoric 1, and a minimum grade of "C" in all previous JJC courses.

Fees: \$36.00 JJC fee and students may be required to purchase novels +/or textbooks **State ID#:** 01103A000

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



ENGLISH LANGUAGE DEVELOPMENT (ELD)



The courses listed within this section should be considered for our ELs when planning for the school year.

The recommendation is that students at a level 3.5-4.8 may be scheduled in co-taught/push-in.

The courses titled 'Sheltered' indicate that an EL teacher will be the instructor and will use the core curriculum as a guide for the class. The EL teacher will scaffold instruction and incorporate ESL strategies and instruction as part of the course.

Students with literacy composite ACCESS scores between 1-3.4 should be considered for ELD courses as their English credit and/or sheltered core classes depending on student needs.

ENGLISH LANGUAGE DEVELOPMENT (ELD)

Class Title	Grade Level	Page
<u>ENGLISH LANGUAGE DEVELOPMENT (ELD) 1</u>	9-12	43
<u>ENGLISH LANGUAGE DEVELOPMENT (ELD) 2</u>	9-12	43
<u>ENGLISH LANGUAGE DEVELOPMENT (ELD) 3</u>	9-12	44
<u>ELD BRIDGE</u>	9-12	44
<u>SHELTERED ENGLISH 1</u>	9-12	44
<u>SHELTERED ENGLISH 2</u>	10-12	45
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<u>SHELTERED ALGEBRA</u>	9-12	45
<u>SHELTERED GEOMETRY</u>	9-12	46
<u>SHELTERED ALGEBRA 2</u>	11-12	46
<u>SHELTERED BIOLOGY</u>	9-12	46
<u>SHELTERED CHEMISTRY</u>	10-12	47
<u>SHELTERED ECONOMICS</u>	11-12	47
<u>SHELTERED GOVERNMENT & CIVICS</u>	11-12	47
<u>SHELTERED PHYSICAL SCIENCE</u>	10-12	48
<u>SHELTERED PHYSICS</u>	10-12	48
<u>SHELTERED U.S. HISTORY</u>	10-12	49
<u>EL GUIDED STUDY HALL</u>	9-12	49

ENGLISH LANGUAGE DEVELOPMENT (ELD)

ENGLISH LANGUAGE DEVELOPMENT (ELD) 1

Grade Open to:	9-12	Term:	1 & 2	Credit:	2.0
Prerequisite:	WIDA Screener and/or ACCESS Level			(English 1.0 and Elective 1.0)	
Fees:	Students may be required to purchase workbook.			State ID#	01008A000

Description: This is a block course divided into an English Language Arts course and an elective course focused on English Language Development. For the English Language Arts course (1.1), students will read a variety of leveled texts to identify key ideas, details, and structures with the goal of summarizing, making inferences, and determining the author's purpose. Students will express themselves in writing, with and without scaffolds, using standard English language conventions. Students will engage in discussions to exchange ideas. The second part of the course (1.2) is designed to develop students' English language development through a variety of reading, writing, listening, and speaking activities. The writing component focuses on the development of grammar skills and basic sentence structures. Students will practice real-world communication in a variety of contexts. **ELD 1 may be repeated once for credit. This course can be used to meet the English requirement for graduation.**

ENGLISH LANGUAGE DEVELOPMENT (ELD) 2

Grade Open to:	9-12	Term:	1 & 2	Credit:	1.0 or 2.0
Prerequisite:	WIDA Screener and/or ACCESS Level			(English 1.0 and Elective 1.0)	
Fees:	Students may be required to purchase workbook.			State ID#	01008A000

Description: This is a block course divided into an English Language Arts course and an elective course focused on English Language Development. For the English Language Arts course (2.1), students will read a variety of leveled texts to identify key ideas, details, and structures with the goal of summarizing, making inferences, and determining the author's purpose. They will analyze how an author develops their ideas. Students will express themselves in writing, becoming less dependent on scaffolds, using standard English language conventions. Students will engage in discussions to exchange ideas and demonstrate understanding and analysis of texts. The second part of the course (2.2) is designed to help students understand and produce increasingly complex oral and written language using correct grammar. Students will continue to participate in real-world communication that reinforces listening, speaking, reading, and writing skills in a variety of contexts. **ELD 2 may be repeated once for credit. This course can be used to meet the English requirement for graduation.**

ENGLISH LANGUAGE DEVELOPMENT (ELD)

ENGLISH LANGUAGE DEVELOPMENT (ELD) 3

Grade Open to: 9-12 **Term:** 1 & 2 **Credit:** 1.0 (English 1.0)

Prerequisite: WIDA Screener and/or ACCESS Level

Fees: Students may be required to purchase workbook.

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 skills. Students will read a variety of texts and analyze how an author develops their ideas to achieve their purpose. Students will express themselves in writing using standard language conventions. Students will respond to prompts in writing with clear, organized, and focused ideas that are supported with evidence from the text. Students will engage in discussions to exchange ideas and demonstrate understanding and analysis of texts using formal and academic language. *This course can be used to meet the English requirement for graduation.*

ELD BRIDGE

Grade Open to: 9-12 **Term:** 1 & 2 **Credit:** 1.0 (Elective)

Prerequisite: ACCESS Level

Fees: Students may be required to purchase workbook.

State ID# 01008A000

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. Students will develop independence in reading literary works and academic texts, in writing essays and narratives, and applying learning strategies. This course prepares students to use the English language in the classroom and social situations and to participate in society as informed students. This course may be repeated once for credit. *This course can be used to meet the elective requirement for graduation.*

SHELTERED ENGLISH I

Grade Open to: 9-12 **Term:** 1 & 2 **Credit:** 1.0

Prerequisite: None

Fees: None

State ID# 01001A000

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 informal verbal discourse to exchange ideas effectively. The class is intended for English learners and will progress through English I with linguistic accommodations and supports. Teachers will utilize current English I curriculum methodologies, best practices for language acquisition, and instructional strategies. *This course can be used to meet the English requirement for graduation.*



ENGLISH LANGUAGE DEVELOPMENT (ELD)

SHELTERED ENGLISH II

Grade Open to: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: None

State ID# 01002A000

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. The class is intended for English learners and will progress through English II with linguistic accommodations and supports. Teachers will utilize current English II curriculum methodologies, best practices for language acquisition, and instructional strategies. *This course can be used to meet the English requirement for graduation.*

SHELTERED ENGLISH III

Grade Open to: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: None

State ID# 01003A000

Description: Students will analyze various complicated works by dissecting the 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. The class is intended for English learners and will progress through English III with linguistic accommodations and supports. Teachers will utilize current English III curriculum methodologies, best practices for language acquisition, and instructional strategies. *This course can be used to meet the English requirement for graduation.*

SHELTERED ALGEBRA

Grade Open to: 9-12

Term: 1 & 2

Credit: 1.0

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

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

State ID# 02052A000

Description: This course is an 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 and will progress through Algebra with linguistic accommodations and supports. Students will work on prerequisite math skills and will learn the same content as in Algebra 1. Teachers will utilize the current Algebra 1 curriculum and instructional strategies. *This course can be used to meet the Mathematics requirement for graduation.*

ENGLISH LANGUAGE DEVELOPMENT (ELD)

SHELTERED GEOMETRY

Grade Open to: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Sheltered Algebra or Algebra 1, ACCESS and/or WIDA Screener results, content area and ESL teacher recommendation.

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

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 with the use of coordinates. Graphing calculator required (TI-84, TI-84+ preferred). This class is intended for English learners and will progress through Geometry with linguistic accommodations and supports. Teachers will utilize current Geometry curriculum, methodologies and instructional strategies. *This course can be used to meet the Mathematics requirement for graduation.*

SHELTERED ALGEBRA 2

Grade Open to: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Sheltered Algebra or Algebra 1, Access & WIDA Screener results, previous placements, content area & 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 English learners and will progress through Algebra 2 with linguistic accommodations and support. Teachers will utilize current Algebra 2 curriculum methodologies and instructional strategies. *This course can be used to meet the Mathematics requirement for graduation.*

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 and will progress through Biology with linguistic accommodations and support. Teachers will utilize current Biology curriculum methodologies and instructional strategies. *This course can be used to meet the Science requirement for graduation.*

ENGLISH LANGUAGE DEVELOPMENT (ELD)

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 and will progress through Chemistry with linguistic accommodations. Teachers will utilize current Chemistry curriculum methodologies and instructional strategies. *This course can be used to meet the Science requirement for graduation.*

SHELTERED ECONOMICS

Grade Open to: 11-12

Term: 1 OR 2

Credit: 0.5

Prerequisite: WIDA Screener and/or ACCESS level

Fees: 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. Students learn the principles of educated purchasing as a consumer through decision-making and money-management processes. Economics is recommended for the college-bound student. The class is intended for English learners and will progress through Economics with linguistic accommodations and support. Teachers will utilize the current Economics curriculum and instructional strategies. *This course can be used to meet the Consumer Education requirement for graduation.*

SHELTERED GOVERNMENT & CIVICS

Grade Open to: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: ACCESS and/or WIDA Screener results and previous placements.

Fees: None

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 the course. The class is intended for English learners and will progress through Government & Civics curriculum and instructional strategies. *This course can be used to meet the Consumer Education requirement for graduation.*

ENGLISH LANGUAGE DEVELOPMENT (ELD)

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 and will progress through Biology with linguistic accommodations and support. Teachers will utilize current Physical Science curriculum methodologies and instructional strategies. *This course can be used to meet the Science requirement for graduation.*

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.

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

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 and will progress through Biology with linguistic accommodations and support. Teachers will utilize current Physics curriculum methodologies and instructional strategies. *This course can be used to meet the Science requirement for graduation.*

ENGLISH LANGUAGE DEVELOPMENT (ELD)

SHELTERED US HISTORY

Grade Open to: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: None.

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 administration 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. The class is intended for English learners and will progress through U.S. History with linguistic accommodations and support. Teachers will utilize current U.S. History curriculum methodologies and instructional strategies. *This course can be used to meet the Consumer Education requirement for graduation.*

EL 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.

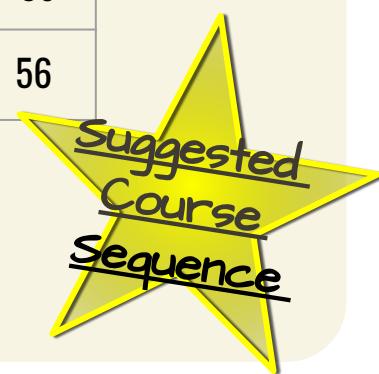
Fees: None

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.

FINE ARTS - ARTS

Class Title	Grade Level	Page
<u>ADVANCED 3D</u>	11-12	52
<u>ADVANCED DRAWING</u>	10-12	52
<u>ANIMATION & MOTION GRAPHICS</u>	11-12	52
<u>AP ART HISTORY</u>	10-12	53
<u>AP ART & DESIGN - DRAWING</u>	11-12	53
<u>AP ART & DESIGN – 2D</u>	11-12	53
<u>AP ART & DESIGN – 3D</u>	11-12	54
<u>ART FOUNDATIONS</u>	9-12	54
<u>CERAMICS 1</u>	9-12	54
<u>CERAMICS 2</u>	9-12	54
<u>DIGITAL ILLUSTRATION AND DESIGN</u>	10-12	55
<u>DIGITAL ILLUSTRATION AND DESIGN 2</u>	11-12	55
<u>DIGITAL PHOTOGRAPHY AND IMAGING 1</u>	9-12	55
<u>DIGITAL PHOTOGRAPHY AND IMAGING 2</u>	10-12	55
<u>PAINTING</u>	11-12	56
<u>SCULPTURE 1</u>	9-12	56
<u>SCULPTURE 2</u>	9-12	56



SUGGESTED VISUAL ARTS SEQUENCE

OPTION 1

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

Asterisk (*) denotes
Advanced Placement
or Dual Credit courses

OPTION 2

Art Foundations
Digital Design & Illustration 1
Digital Design & Illustration 2
or Animation & Motion
Graphics
*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

OPTION 5

Art Foundations
Digital Photo and Imaging 1
Digital Photo and Imaging 2
*AP Art & Design 2

STAND ALONE CLASS

AP Art History

FINE ARTS - ARTS

ADVANCED 3D

Grade Open to: 11 - 12 **Term:** 1 & 2 **Credit:** 1.0

Prerequisite: [CERAMICS 2](#) and [SCULPTURE 2](#)

Fees: Students are required to purchase additional supplies. **State ID#** 05170A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

ADVANCED DRAWING

Grade Open to: 10 - 12 **Term:** 1 & 2 **Credit:** 1.0

Prerequisite: [ART FOUNDATIONS](#)

Fees: Students are required to purchase additional supplies. **State ID#** 05156A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

ANIMATION & MOTION GRAPHICS

Grade Open to: 11 - 12 **Term:** 1 & 2 **Credit:** 1.0

Prerequisite: Art Foundations or Digital Illustration & Design 1

Fees: None **State ID#** 05256A000

Description: In this course, students will utilize Adobe Photoshop, Illustrator, and After Effects to create dynamic multimedia motion graphics and animations. Emphasis will be placed on developing moving digital designs for commercial advertising and electronic media. This class is ideal for students interested in production media and aims to provide foundational skills and practical experience in creating visually engaging content. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

FINE ARTS - ARTS

AP ART HISTORY

Grade Open to: 10 - 12

Term: 1 & 2

Credit:

1.0

Prerequisite: None

Fees: Students are required to purchase additional supplies.

State ID#

05153A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

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.

Fees: Students are required to purchase additional supplies.

State ID#

05172A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

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.

Fees: Students are required to purchase additional supplies.

State ID#

05174A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

FINE ARTS - ARTS

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.

Fees: Students are required to purchase additional supplies.

State ID#

05175A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

ART FOUNDATIONS

Grade Open to: 9 - 12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Students are required to purchase additional supplies.

State ID# 05151A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

CERAMICS 1

Grade Open to: 9 - 12

Term: 1 & 2

Credit: 0.5

Prerequisite: None

Fees: Students are required to purchase additional supplies.

State ID# 05159A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

CERAMICS 2

Grade Open to: 9 - 12

Term: 1 or 2

Credit:

0.5

Prerequisite: CERAMICS 1

Fees: Students are required to purchase additional supplies.

State ID#

05999A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

FINE ARTS - ARTS

DIGITAL ILLUSTRATION AND DESIGN

Grade Open to:	10 - 12	Credit:	1.0
Prerequisite:	<u>ART FOUNDATIONS</u>	Term:	1 & 2
Fees:	Students are required to purchase additional supplies.	State ID#	05169A000

Description: Students will investigate, demonstrate, and evaluate industry standard software and peripheral devices to develop computer generated images. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

DIGITAL ILLUSTRATION AND DESIGN 2

Grade Open to:	11 - 12	Credit:	1.0
Prerequisite:	<u>DIGITAL ILLUSTRATION AND DESIGN</u> or teacher recommendation (Grade 10)	Term:	1 & 2
Fees:	Students are required to purchase additional supplies.	State ID#	05160A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

DIGITAL PHOTOGRAPHY AND IMAGING 1

Grade Open to:	9 - 12	Credit:	1.0
Prerequisite:	None	Term:	1 & 2
Fees:	Students are required to purchase additional supplies.	State ID#	05167A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

DIGITAL PHOTOGRAPHY AND IMAGING 2

Grade Open to:	10 - 12	Credit:	1.0
Prerequisite:	<u>DIGITAL PHOTOGRAPHY AND IMAGING 1</u>	Term:	1 & 2
Fees:	Students are required to purchase additional supplies.	State ID#	05999A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

FINE ARTS - ARTS

PAINTING

Grade Open to: 11 - 12

Term: 1 & 2

Credit: 1.0

Prerequisite: ADVANCED DRAWING

Fees: Students are required to purchase additional supplies.

State ID# 05157A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

SCULPTURE 1

Grade Open to: 9 - 12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Fees: Students are required to purchase additional supplies.

State ID# 05158A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

SCULPTURE 2

Grade Open to: 9 - 12

Term: 1 or 2

Credit: 0.5

Prerequisite: SCULPTURE 1

Fees: Students are required to purchase additional supplies.

State ID# 05999A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

FINE ARTS - MUSIC

Class Title	Grade Level	Page
<u>AP MUSIC THEORY</u>	10-12	60
<u>ADVANCED CHOIR</u>	10-12	61
<u>BEGINNING CHOIR</u>	9-12	61
<u>COMMERCIAL MUSIC PRODUCTION</u>	10-12	60
<u>CONCERT BAND</u>	9-12	60
<u>INTERMEDIATE CHOIR</u>	10-12	62
<u>MUSIC SURVEY</u>	9-12	61
<u>MUSIC THEORY</u>	9-12	61
<u>SYMPHONIC BAND</u>	9-12	62
<u>WIND ENSEMBLE</u>	9-12	62
DUAL CREDIT FINE ARTS MUSIC COURSES		
<u>EXPLORATION OF AMERICAN MUSIC</u>	11-12	63



SUGGESTED CHOIR & MUSIC SEQUENCE

CHOIR

BEGINNING CHOIR
(full year)

BEGINNING CHOIR
(full year)
OR
INTERMEDIATE CHOIR
(full year)
OR
ADVANCED CHOIR
(full year)

BEGINNING CHOIR (full year)
OR
INTERMEDIATE CHOIR (full year)
OR
ADVANCED CHOIR
(full year)

BEGINNING CHOIR (full year)
OR
INTERMEDIATE CHOIR (full year)
OR
ADVANCED CHOIR
(full year)

FRESHMAN

SOPHOMORE

JUNIOR

SENIORS

BAND

MUSIC THEORY
(1 semester)
MUSIC SURVEY
(1 semester)

MUSIC THEORY (1 sem)
COMMERCIAL MUSIC
PRODUCTION (1 sem)
***AP MUSIC THEORY** (full year)
MUSIC SURVEY
(1 semester)

MUSIC THEORY (1 sem)
COMMERCIAL MUSIC PRODUCTION
(1 sem)
***DC EXPLORATION OF AMERICAN**
MUSIC (1 sem)
***AP MUSIC THEORY**
(full year)
MUSIC SURVEY (1 sem)

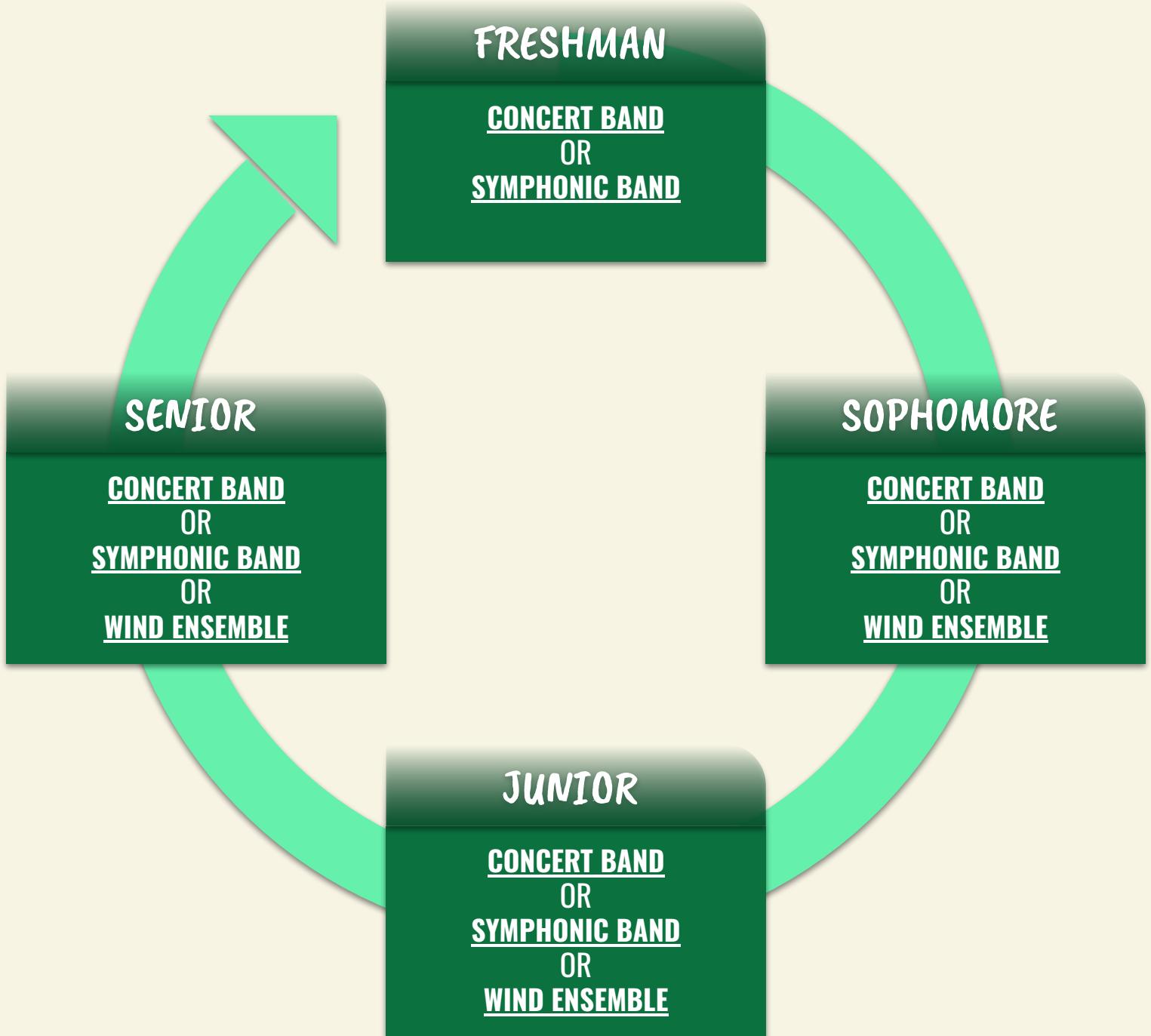
MUSIC THEORY (1 sem)
COMMERCIAL MUSIC PRODUCTION
(1 sem)
***DC EXPLORATION OF AMERICAN**
MUSIC (1 sem)
***AP MUSIC THEORY**
(full year)
MUSIC SURVEY (1 sem)

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)

Asterisk (*) denotes
Advanced Placement or
Dual Credit courses

SUGGESTED BAND ENSEMBLE SEQUENCE



FINE ARTS - MUSIC

AP MUSIC THEORY

Grade Open to: 10 - 12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Students are required to purchase the \$40 workbook and additional supplies. **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. The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

COMMERCIAL MUSIC PRODUCTION

Grade Open to: 10 - 12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

Fees: Students are required to purchase additional supplies.

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

CONCERT BAND

Grade Open to: 9 - 12

Term: 1 & 2

Credit: 1.0

Prerequisite: Audition

Fees: Co-Curricular Fee

State ID# 05101A000

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. This course may be repeated for credit. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

FINE ARTS - MUSIC

BEGINNING CHOIR

Grade Open to: 9 - 12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Co-Curricular Fee

State ID# 05110A000

Description: *Beginning* Choir is open to all students. No previous choral experience is necessary. The ensemble performs a variety of music 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. This course may be repeated for credit. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

INTERMEDIATE CHOIR

Grade Open to: 10 - 12

Term: 1 & 2

Credit: 1.0

Prerequisite: Audition

Fees: Co-Curricular Fee

State ID# 05149A000

Description: *Intermediate* 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 a variety of music at concerts throughout the year. Attendance is required at major concerts, performances/festivals, and other after school events throughout the year. **This course may be repeated for credit.** *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

ADVANCED CHOIR

Grade Open to: 10 - 12

Term: 1 & 2

Credit: 1.0

Prerequisite: Audition

Fees: Co-Curricular Fee

State ID# 05149A000

Description: *Advanced* Choir is open by audition to students with a high level proficiency in vocal and sight-reading skills. Students will learn and perform a variety of advanced music to develop their knowledge of music theory, vocal technique, and sight-reading proficiency. Attendance is required at major concerts, performances/festivals, and other after school events throughout the year. **This course carries a weighted grade.** *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

FINE ARTS - MUSIC

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

SYMPHONIC BAND

Grade Open to: 9 - 12

Term: 1 & 2

Credit:

1.0

Prerequisite: Audition

Fees: Co-Curricular Fee

State ID# 05102A000

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. *This course may be repeated for credit. The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

WIND ENSEMBLE

Grade Open to: 9 - 12

Term: 1 & 2

Credit:

1.0

Prerequisite: Audition

Fees: Co-Curricular Fee

State ID# 05106A000

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. *This course carries a honors weighted grade and may be repeated for credit.. The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*



FINE ARTS - MUSIC

DUAL CREDIT FINE ARTS MUSIC COURSES

EXPLORATION OF AMERICAN MUSIC

Credit: 0.5

Grade Open to: 11-12

Term: 1 or 2

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

Prerequisite: None

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. The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

WORLD LANGUAGES

~~Suggested
Course
Sequence~~

Class Title	Grade Level	Page
<u>AMERICAN SIGN LANGUAGE 1 (ASL)</u>	9-12	66
<u>AMERICAN SIGN LANGUAGE 2 (ASL)</u>	10-12	66
<u>AMERICAN SIGN LANGUAGE 3 (ASL)</u>	11-12	66
<u>AMERICAN SIGN LANGUAGE 3 HONORS (ASL)</u>	11-12	66
<u>AMERICAN SIGN LANGUAGE 4 (ASL)</u>	12	67
<u>AMERICAN SIGN LANGUAGE 4 HONORS (ASL)</u>	12	67
<u>FRENCH 1</u>	9-12	67
<u>FRENCH 2</u>	9-12	67
<u>FRENCH 2 HONORS</u>	9-12	67
<u>FRENCH 3</u>	10-12	68
<u>FRENCH 3 HONORS</u>	10-12	68
<u>FRENCH 4</u>	11-12	68
<u>AP FRENCH LANGUAGE & CULTURE</u>	11-12	68
<u>GERMAN 1</u>	9-12	69
<u>GERMAN 2</u>	9-12	69
<u>GERMAN 2 HONORS</u>	9-12	69
<u>GERMAN 3</u>	10-12	69
<u>GERMAN 3 HONORS</u>	10-12	70
<u>GERMAN 4</u>	11-12	70
<u>AP GERMAN LANGUAGE & CULTURE</u>	11-12	70
<u>SPANISH 1</u>	9-12	70
<u>SPANISH 2</u>	9-12	71
<u>SPANISH 2 HONORS</u>	9-12	71
<u>SPANISH 3</u>	10-12	71
<u>SPANISH 3 HONORS</u>	10-12	71
<u>SPANISH 4</u>	11-12	72
<u>SPANISH 4 HONORS</u>	11-12	72
<u>AP SPANISH LANGUAGE & CULTURE</u>	11-12	72
<u>AP SPANISH LITERATURE & CULTURE</u>	11-12	72
<u>SPANISH FOR HERITAGE SPEAKERS 1</u>	9-12	73
<u>SPANISH FOR HERITAGE SPEAKERS 2 HONORS</u>	9-12	73
<u>SPANISH FOR HERITAGE SPEAKERS 3 HONORS</u>	9-12	73

SUGGESTED WORLD LANGUAGES SEQUENCE

FRESHMAN

SOPHOMORE

JUNIOR

SENIOR

ASL 1

ASL 2

ASL 3 /3H

ASL 4

FRENCH 1

FRENCH 2/2H

FRENCH 3/3H

FRENCH 4 /
*AP FRENCH
LANGUAGE &
CULTURE

GERMAN 1

GERMAN 2/2H

GERMAN 3/3H

GERMAN 4 /
*AP GERMAN
LANGUAGE &
CULTURE

SPANISH 1

SPANISH 2/2H

SPANISH 3/3H

SPANISH 4/4H
*AP SPANISH LANGUAGE/
*AP SPANISH
LITERATURE

SPANISH FOR
HERITAGE SPEAKERS 1

SPANISH FOR
HERITAGE
SPEAKERS 2
HONORS

SPANISH FOR
HERITAGE
SPEAKERS 3
HONORS

*AP SPANISH
LANGUAGE/
*AP SPANISH
LITERATURE

Students who took Spanish in middle school

SPANISH 2/2H

SPANISH 3/3H

SPANISH 4/
*AP SPANISH LANGUAGE/
*AP SPANISH LITERATURE

*AP SPANISH
LANGUAGE/
*AP SPANISH
LITERATURE

Asterisk (*) denotes
Advanced Placement or Dual
Credit courses

WORLD LANGUAGES

AMERICAN SIGN LANGUAGE 1 (ASL)

Grade Open to: 9 - 12

Term: 1 & 2

Credit:

1.0

Prerequisite: None

State ID#

24852A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

AMERICAN SIGN LANGUAGE 2 (ASL)

Grade Open to: 10 - 12

Term: 1 & 2

Credit:

1.0

Prerequisite: AMERICAN SIGN LANGUAGE 1

State ID#

24853A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

AMERICAN SIGN LANGUAGE 3 (ASL)

Grade Open to: 11 - 12

Term: 1 & 2

Credit:

1.0

Prerequisite: AMERICAN SIGN LANGUAGE 1 & 2

State ID#

24854A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

AMERICAN SIGN LANGUAGE 3 HONORS (ASL)

Grade Open to: 11-12

Term: 1 & 2

Credit:

1.0

Prerequisite: AMERICAN SIGN LANGUAGE 1 & 2

State ID#

24854A000

Description: This two-semester course will focus on increasing language skills and vocabulary and expanding the abilities of the students to communicate using American Sign Language (ASL). Students will focus on lexical (vocabulary) and syntactical (grammar) skill development. Through dialogues, role-playing, and presentations, student will develop their ASL skills. Students will continue to develop both receptive and expressive communication skills, while learning more about Deaf culture and the Deaf community. *This course carries a weighted grade. The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

WORLD LANGUAGES

AMERICAN SIGN LANGUAGE 4 (ASL)

Grade Open to: 12

Term: 1 & 2

Credit:

1.0

Prerequisite: AMERICAN SIGN LANGUAGE 3

State ID#

24855A000

Description: In this course, students will continue to expand and improve their interpersonal, interpretive, and presentation 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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

AMERICAN SIGN LANGUAGE 4 HONORS (ASL)

Grade Open to: 12

Term: 1 & 2

Credit:

1.0

Prerequisite: AMERICAN SIGN LANGUAGE 3

State ID#

24855A000

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. *This course carries a weighted grade. The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

FRENCH 1

Grade Open to: 9 - 12

Term: 1 & 2

Credit:

1.0

Prerequisite: None

Fees: Students are required to purchase the \$20 online resource.

State ID# 24102A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

FRENCH 2

Grade Open to: 9 - 12

Term: 1 & 2

Credit:

1.0

Prerequisite: FRENCH 1

Fees: Students are required to purchase the \$20 online resource.

State ID# 24103A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

FRENCH 2 HONORS

Grade Open to: 9 - 12

Term: 1 & 2

Credit:

1.0

Prerequisite: FRENCH 1

Fees: Students are required to purchase the \$20 online resource.

State ID# 24103A000

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. The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

WORLD LANGUAGES

GERMAN 1

Grade Open to: 9 - 12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

Fees: Students are required to purchase the \$10 online resource.

State ID# 24252A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

GERMAN 2

Grade Open to: 9 - 12

Term: 1 & 2

Credit: 1.0

Prerequisite: GERMAN 1

Fees: Students are required to purchase the \$10 online resource.

State ID# 24253A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

GERMAN 2 HONORS

Grade Open to: 9 - 12

Term: 1 & 2

Credit: 1.0

Prerequisite: GERMAN 1

Fees: Students are required to purchase the \$10 online resource.

State ID# 24253A000

Description: This course features an enhanced German 2 curriculum to increase German proficiency through extended lessons in grammar, vocabulary and supplementary materials. This class moves at a faster pace than German 2. Students in this course are expected to advance to German 3 Honors and ultimately to Advanced Placement German. *This course carries a weighted grade. The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

GERMAN 3

Grade Open to: 10 - 12

Term: 1 & 2

Credit: 1.0

Prerequisite: GERMAN 2 or GERMAN 2 HONORS

Fees: Students are required to purchase the \$10 online resource..

State ID# 24254A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

WORLD LANGUAGES

SPANISH 2

Grade Open to: 9 - 12 **Term:** 1 & 2 **Credit:** 1.0

Prerequisite: [SPANISH 1](#)

Fees: Students are required to purchase the \$20 online resource. **State ID#** 24053A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

SPANISH 2 HONORS

Grade Open to: 9 - 12 **Term:** 1 & 2 **Credit:** 1.0

Prerequisite: [SPANISH 1](#)

Fees: Students are required to purchase the \$20 online resource. **State ID#** 24053A000

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. The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

SPANISH 3

Grade Open to: 10 - 12 **Term:** 1 & 2 **Credit:** 1.0

Prerequisite: [SPANISH 2 or SPANISH 2 HONORS](#)

Fees: Students are required to purchase the \$20 online resource. **State ID#** 24054A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

SPANISH 3 HONORS

Grade Open to: 11 - 12 **Term:** 1 & 2 **Credit:** 1.0

Prerequisite: [SPANISH 2 or SPANISH 2 HONORS](#)

Fees: Students are required to purchase the \$20 online resource. **State ID#** 24054A000

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. The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

WORLD LANGUAGES

SPANISH 4

Grade Open to: 11 - 12

Term:

1 & 2

Credit:

1.0

Prerequisite: SPANISH 3 or SPANISH 3 HONORS

Fees: Students are required to purchase the \$20 online resource.

State ID#

24055A000

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. *The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

SPANISH 4 HONORS

Grade Open to: 10 - 12

Term:

1 & 2

Credit:

1.0

Prerequisite: SPANISH 3 or SPANISH 3 HONORS

Fees: Students are required to purchase the \$20 online resource.

State ID#

24055A000

Description: This course is designed for students who wish to deepen their skills in the Spanish Language at an advanced level. This advanced course is intended to challenge students to achieve a more comprehensive mastery of the Spanish language in all its areas: listening comprehension, oral expression, reading, and writing, as well as deepening and enriching their understanding of Spanish-speaking countries. *This course carries a weighted grade. The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

AP SPANISH LANGUAGE & CULTURE

Grade Open to: 11 - 12

Term:

1 & 2

Credit:

1.0

Prerequisite: SPANISH FOR HERITAGE SPEAKERS 2 HONORS, SPANISH 3 or SPANISH 3 HONORS

Fees: Students are required to purchase the \$56 workbook.

State ID#

24064A000

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. The course can be used to meet the Art, CTE, or World Language requirement for graduation.*

AP SPANISH LITERATURE & CULTURE

Grade Open to: 11 - 12

Term:

1 & 2

Credit:

1.0

Prerequisite: SPANISH FOR HERITAGE SPEAKERS 2 HONORS, SPANISH 3 or SPANISH 3 HONORS

Fees: Students are required to purchase workbook.

State ID#

06113A000

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. The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

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# 24057A000

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. *This course meets the EL service state requirement. The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

SPANISH FOR HERITAGE SPEAKERS 2 HONORS

Grade Open to: 9 - 12

Term: 1 & 2

Credit: 1.0

Prerequisite: Placement test or teacher recommendation.

Fees: Cost of selected paperback books

State ID# 24057A000

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. This course meets the EL service state requirement. The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

SPANISH FOR HERITAGE SPEAKERS 3 HONORS

Grade Open to: 9 - 12

Term: 1 & 2

Credit: 1.0

Prerequisite: SPANISH FOR HERITAGE SPEAKERS 2 HONORS

Fees: Cost of selected paperback books

State ID# 24057A000

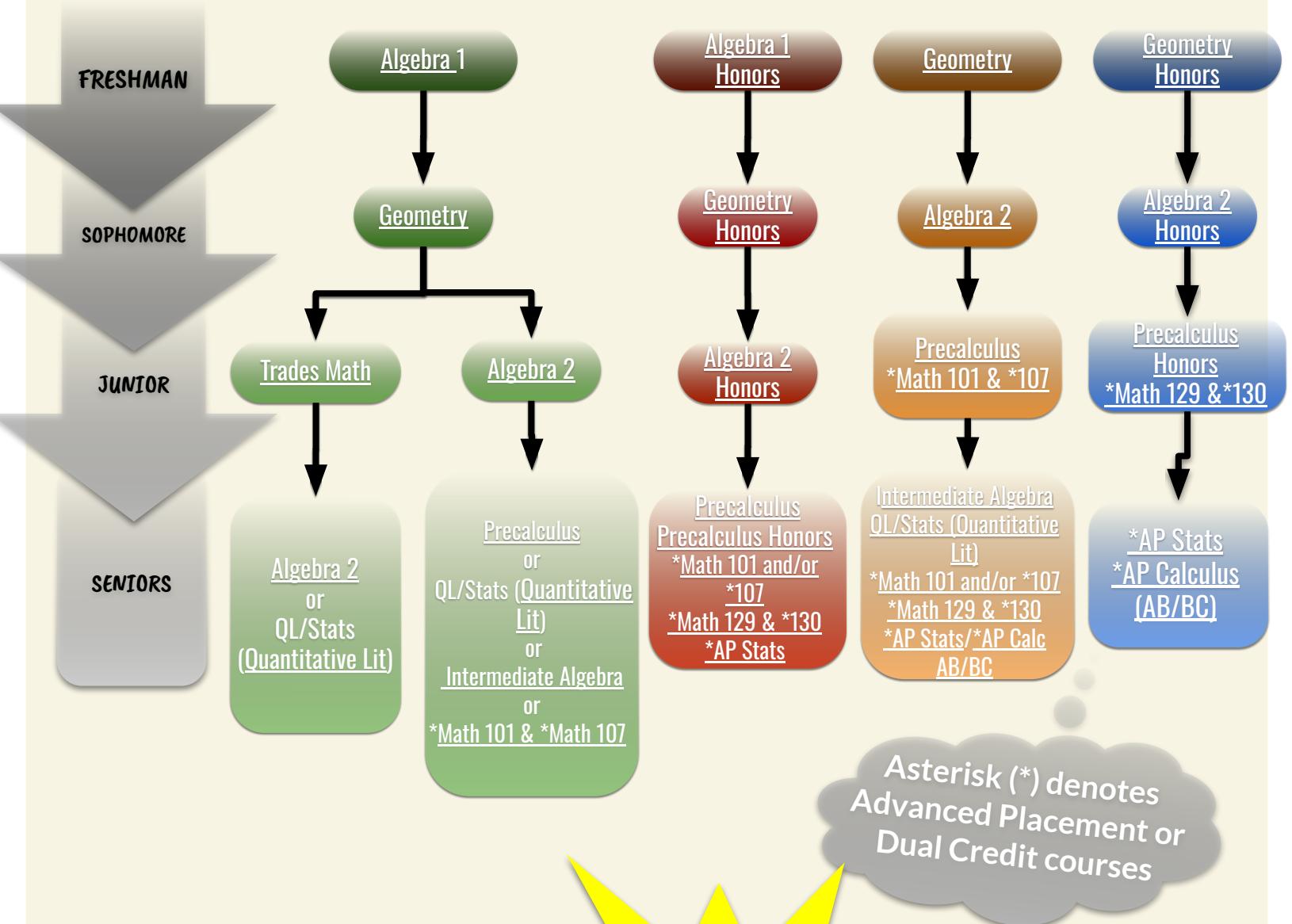
Description: This course is a continuation of Spanish for Heritage Speakers 2 Honors. Students will continue to extend their vocabulary and grammar skills through creative writing, literature, and projects. Units of study may include, but are not limited to, Hispanic art, immigration, and Spain's influence in the Latino world. Students are encouraged to continue their study of Spanish by taking an advanced course. *This course carries a weighted grade. This course meets the EL service state requirement. The course can be used to meet the elective or Art, CTE, or World Language requirement for graduation.*

MATHEMATICS

Class Title	Grade Level	Page
<u>ALGEBRA 1</u>	9	77
<u>ALGEBRA SKILLS</u>	9-12	77
<u>ALGEBRA 1 HONORS</u>	9	77
<u>ALGEBRA 2</u>	10-12	77
<u>ALGEBRA 2 HONORS</u>	10-12	77
<u>AP CALCULUS AB</u>	11-12	78
<u>AP CALCULUS BC</u>	11-12	78
<u>AP COMPUTER SCIENCE A</u>	10-12	78
<u>AP COMPUTER SCIENCE PRINCIPLES</u>	10-12	78
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<u>COMPUTER PROGRAMMING I</u>	9-12	79
<u>COMPUTER PROGRAMMING II</u>	9-12	79
<u>GEOMETRY</u>	9-12	79
<u>GEOMETRY SKILLS</u>	9-12	79
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<u>PRE-CALCULUS HONORS</u>	10-12	80
<u>TRADES MATH</u>	11-12	80
TRANSITIONAL MATHEMATICS COURSES		
(in partnership with Joliet Junior College)		
*Successful completion of these courses will allow students potential placement into college level courses.		
<u>*INTERMEDIATE ALGEBRA</u>	12	81
<u>*QUANTITATIVE LITERACY STATISTICS</u>	12	81
DUAL CREDIT MATH COURSES		
(in partnership with Waubonsee Community College)		
<u>COLLEGE MATHEMATICS</u>	11-12	82
<u>BASIC STATISTICS</u>	11-12	82
<u>PRE-CALCULUS I</u>	11-12	83
<u>PRE-CALCULUS II</u>	11-12	83



SUGGESTED MATH SEQUENCE



Computer Science Electives:
 *AP Computer Science A
 *AP Computer Science Principles
 Computer Programming I
 Computer Programming II

Mathematic Support Courses:
Algebra Skills
Geometry Skills

More information continues on
 the next page

SUGGESTED MATH SEQUENCE cont'd

Quantitative Literacy Statistics - Prerequisite: Successful completion of Algebra 2. For students that are not pursuing a Math based major. This course will allow students to enter credit bearing math courses in college.

Intermediate Algebra (TM-STEM) - Prerequisite: Successful completion of Algebra 2. 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 "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" or better in all previous WCC classes.

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

***Precalculus I (Math 129)**

Prerequisite: SAT 530/ACT 22 in Math, or "C" or better in each semester of Intermediate Algebra, 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 Intermediate Algebra, 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.

**Dual Credit for
Non-STEM Majors**



College Math (101)
Basic Statistics (107)

**Dual Credit for
STEM Majors**



Precalculus I (129)
Precalculus II (130)

MATHEMATICS

ALGEBRA 1

Grade 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). This course can be used to meet the Mathematics requirement for graduation.*

ALGEBRA SKILLS

Grade Open to: 9-12

Term: 1 & 2

Credit: 1.0 (elective only)

Prerequisite: Placement Only and concurrent enrollment in Algebra 1

State ID# 02052A000

Description: Students enrolled in Algebra 1 Skills (elective credit) will be concurrently enrolled in Algebra 1 (math credit). This course will provide targeted skill-based support for students who have a deficit in math due to low basic skills as defined on diagnostic, national, or local tests. The purpose of this course is to provide students with a better understanding of foundational math skills needed to be successful in Algebra 1 and future math courses. *Graphing calculator required (TI-84, TI-84+ preferred). This course can be used to meet the elective requirement for graduation.*

ALGEBRA 1 HONORS

Grade Open to: 9

Term: 1 & 2

Credit: 1.0

Prerequisite: Middle School 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). This course can be used to meet the Mathematics requirement for graduation.*

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). This course can be used to meet the Mathematics requirement for graduation.*

ALGEBRA 2 HONORS

Grade Open to: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: ALGEBRA 1/ALGEBRA 1H & GEOMETRY/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). This course can be used to meet the Mathematics requirement for graduation.*

MATHEMATICS

AP CALCULUS AB

Grade Open to: 11-12	Term: 1 & 2	Credit: 1.0
Prerequisite: <u>PRECALCULUS HONORS</u> or dual credit PRECALCULUS I & II		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). This course can be used to meet the Mathematics requirement for graduation if Algebra 1, Geometry, and Algebra 2 have been successfully completed.*

AP CALCULUS BC

Grade Open to: 11-12	Term: 1 & 2	Credit: 1.0
Prerequisite: <u>PRECALCULUS HONORS</u> or dual credit PRECALCULUS I & II		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). This course can be used to meet the Mathematics requirement for graduation if Algebra 1, Geometry, and Algebra 2 have been successfully completed.*

AP COMPUTER SCIENCE A

Grade Open to: 10-12	Term: 1 & 2	Credit: 1.0
Prerequisite: <u>COMPUTER PROGRAMMING II</u>		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 can be used to meet the elective credit requirement for graduation. This course is part of the Industrial Technology CCPE course sequence. Please see page 13 for more information.*

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# 10019A000

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. *This course can be used to meet the elective credit requirement for graduation.*

MATHEMATICS

AP STATISTICS

Grade Open to: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: ALGEBRA 2

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). This course can be used to meet the Mathematics requirement for graduation if Algebra 1, Geometry, and Algebra 2 have been successfully completed.*

COMPUTER PROGRAMMING I

Grade Open to: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: ALGEBRA 1 or ALGEBRA 1 HONORS

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 can be used to meet the elective credit requirement for graduation.*

COMPUTER PROGRAMMING II

Grade Open to: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: COMPUTER PROGRAMMING 1

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 can be used to meet the elective credit requirement for graduation.*

GEOMETRY

Grade Open to: 9-10

Term: 1 & 2

Credit: 1.0

Prerequisite: ALGEBRA 1

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) This course can be used to meet the Mathematics requirement for graduation.*

GEOMETRY SKILLS

Grade Open to: 9-11

Term: 1 & 2

Credit: 1.0 (elective only)

Prerequisite: Placement only and concurrently enrolled in Geometry

State ID# 02079A000

Description: Students enrolled in Geometry Skills (elective credit) will be concurrently enrolled in Geometry (math credit). The purpose of this course is to support, strengthen, and reinforce the prerequisite skills needed for the geometry course. Students will develop necessary vocabulary, geometry concepts and skills, and reinforcement of those concepts to be successful in the geometry course. *Graphing calculator required (TI-84, TI-84+ preferred) This course can be used to meet the elective requirement for graduation.*

MATHEMATICS

GEOMETRY HONORS

Grade Open to: 9-10

Term: 1 & 2

Credit: 1.0

Prerequisite: ALGEBRA 1 or 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). This course can be used to meet the Mathematics requirement for graduation.*

PRE-CALCULUS

Grade Open to: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: ALG 1/ALG 1 HONORS, GEOMETRY/GEOMETRY HONORS, and ALG 2/ALG 2 HONORS

State ID# 02110A000

Fees: Students are required to purchase the \$18 digital workbook.

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). This course can be used to meet the Mathematics requirement for graduation if Algebra 1, Geometry, and Algebra 2 have been successfully completed.*

PRE-CALCULUS HONORS

Grade Open to: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: ALG 1/ALG 1 HONORS, GEOMETRY/GEOMETRY HONORS, and ALG 2/ALG 2 HONORS

State ID# 02110A000

Fees: Students are required to purchase the \$18 digital workbook.

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). This course can be used to meet the Mathematics requirement for graduation if Algebra 1, Geometry, and Algebra 2 have been successfully completed.*

TRADES MATH

Grade Open to: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: Successful completion of both semesters of ALGEBRA 1 and GEOMETRY, and concurrent enrollment or completion in WILCO or completion of/concurrent enrollment in Introduction to CAD plus either Architectural CAD, 3D CAD/Solid Modeling, Small Engines OR successful completion of both semesters of Algebra 1, Geometry and Algebra 2.. This course can be used as a fourth year of math elective.

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

TRANSITIONAL MATHEMATICS COURSES

INTERMEDIATE ALGEBRA

Grade Open to: 12

Term: 1 or 2

Credit: 0.5

JJC Transitional Math STEM

Prerequisite: Successful completion of **ALGEBRA 2** (Semester 1 & 2)

Fees: Purchase of college textbook(s) may be required.

State ID# 02055A001

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 at **JJC** or dual credit College Mathematics (Math 101), Basic Statistics (Math 107), or Pre-Calculus 1 (Math 129). *This course is not a NCAA Eligibility Center approved course.* *This course can be used to meet the Mathematics requirement for graduation if Algebra 1, Geometry, and Algebra 2 have been successfully completed.*

QUANTITATIVE LITERACY STATISTICS

Grade Open to: 12

Term: 1 or 2

Credit: 0.5

JJC Transitional Math QL/Statistics

Prerequisite: Successful completion of **ALGEBRA 2** (Semester 1 & 2)

Fees: Purchase of college textbook(s) may be required.

State ID# 02201A001

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 credit-bearing math at **JJC** or dual credit College Mathematics (Math 101) and Basic Statistics (Math 107) . *This course is not a NCAA Eligibility Center approved course.* *This course can be used to meet the Mathematics requirement for graduation if Algebra 1, Geometry, and Algebra 2 have been successfully completed.*

MATHEMATICS

MATHEMATICAL DUAL CREDIT COURSES

COLLEGE MATHEMATICS

Grade Open to: 11-12

Term: 1 or 2

Credit: 0.5

WCC Math 101 College Mathematics-3.0 credit hrs

Prerequisite: SAT 530/ACT 22 in Math, or “C” or better in each semester of QL/Stats or INTERMEDIATE ALGEBRA, or earning a qualifying score on Accuplacer Math, AND successful completion of ALG 2/ALG 2 HONORS

Fees: \$36.00 and purchase of college textbook(s). **IAI Code:** M1 901 **State ID#** 02102A000

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. This course can be used to meet the Mathematics requirement for graduation if Algebra 1, Geometry, and Algebra 2 have been successfully completed.*

BASIC STATISTICS

Grade Open to: 11-12

Term: 1 or 2

Credit: 0.5

WCC Math 107 Basic Statistics-3.0 credit hrs

Prerequisite: SAT 530/ACT 22 in Math, or “C” or better in each semester of QL/Stats or INTERMEDIATE ALGEBRA, or earning a qualifying score on Accuplacer Math, AND a “C” or better in all previous WCC classes and successful completion of ALG 2/ALG 2 HONORS

Fees: \$36.00 and purchase of college textbook(s). **IAI Code:** M1 901 **State ID#** 02202A000

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. This course can be used to meet the Mathematics requirement for graduation if Algebra 1, Geometry, and Algebra 2 have been successfully completed.*

MATHEMATICS

MATHEMATICAL DUAL CREDIT COURSES

PRE-CALCULUS I

Grade Open to: 11-12

Term: 1

Credit: 0.5

WCC Math 129 Precalculus I- 3.0 credit hrs

Prerequisite: SAT 530/ACT 22 in Math, or “C” or better in each semester of QL/Stats or INTERMEDIATE ALGEBRA, or earning a qualifying score on Accuplacer Math, “C” or better in each semester of Geometry AND successful completion of ALG 2/ALG 2 HONORS

Fees: \$36.00 and purchase of college textbook(s). **IAI Code:** None **State ID#** 02110A000

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. This course can be used to meet the Mathematics requirement for graduation if Algebra 1, Geometry, and Algebra 2 have been successfully completed.*

PRE-CALCULUS II

Grade Open to: 11-12

Term: 2

Credit: 0.5

WCC Math 130 Precalculus II- 3.0 credit hrs

Prerequisite: SAT 530/ACT 22 in Math, or “C” or better in each semester of INTERMEDIATE ALGEBRA, or earning a qualifying score on Accuplacer Math, or “C” or better in WCC Math 129 & “C” or better in each semester of Geometry AND successful completion of ALG 2/ALG 2 HONORS, and a minimum of “C” in all previous WCC classes.

Fees: \$36.00 and purchase of college textbook(s). **IAI Code:** None **State ID#** 02110A000

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. This course can be used to meet the Mathematics requirement for graduation if Algebra 1, Geometry, and Algebra 2 have been successfully completed.*

NON-DEPARTMENTAL COURSE

STANDARDIZED TEST PREPARATION

Grade Open to: 11

Term: 2

Credit: 0.5

Prerequisite: None

State ID# 22001A000

Fees: Students will be required to purchase a Standardized Test Prep workbook and/or online resources.

Description: Students will have the opportunity to assess their academic strengths and weaknesses in key English, Math, and Science concepts that they will be expected to know when taking the standardized test. They will also learn about the structure of the test and be provided test-taking strategies. Students will work through multiple retired test exams and questions. After taking the test, students will analyze their test scores provided by ACT as well as use SchoolLinks to increase college and career readiness skills.

*This class may be offered in an online remote format during the school day.

PHYSICAL EDUCATION, HEALTH, & DRIVER EDUCATION

Class Title	Grade Level	Page
<u>ADVENTURE CHALLENGE</u>	9-12	87
<u>DANCE 1</u>	9-12	87
<u>DANCE 2</u>	10-12	87
<u>DRIVER EDUCATION, CPR, FIRST AID, & SAFETY</u>	10-12	88
<u>FALL TEAM ACTIVITIES</u>	10-12	88
<u>FITNESS PROGRAM & DESIGN</u>	9-10	88
<u>HEALTH</u>	10-12	89
<u>HIGH PERFORMANCE WEIGHT TRAINING</u>	10-12	89
<u>INTRODUCTION TO WEIGHT TRAINING</u>	9-12	89
<u>LEADERSHIP TRAINING</u>	11-12	90
<u>MIND & BODY FITNESS</u>	9-12	90
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<u>RECREATIONAL ACTIVITIES</u>	9-12	91
<u>SKILLS FOR HEALTHY LIVING</u>	10-12	91
<u>SPORTS MEDICINE</u>	10-12	91
<u>SPRING TEAM ACTIVITIES</u>	10-12	91
<u>WALKING for FITNESS</u>	9-12	92
<u>WELLNESS</u>	9	92
<u>YOGA: Core & More</u>	9-12	92



SUGGESTED PHYSICAL EDUCATION SEQUENCE

FRESHMAN

Wellness - Sem 1 (mandatory)

Elective* or Driver Ed** - Sem 2

*Electives available to grade 9.

**Based upon birthdate and seat availability.

SOPHOMORE

DRIVER'S ED IN SCHOOL

Health (mandatory)
&
Driver's Ed

OR

DRIVER'S ED OUTSIDE OF SCHOOL

Health (mandatory)
&
Elective

JUNIOR/SENIOR ELECTIVES

*Adventure Challenge

*Dance 1

Dance 2 (pass Dance 1)

*Fitness Program & Design

Intro to Weight Training

High Performance Weight Training

Leadership Training

*Mind & Body Fitness

*Officiating

*Recreational Activities

Skills for Healthy Living

Sports Medicine

*Walking for Fitness

*Yoga: Core and More



PHYSICAL EDUCATION, HEALTH, & DRIVER EDUCATION

ADVENTURE CHALLENGE

Grade Open to: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

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

DANCE 1

Grade Open to: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

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

DANCE 2

Grade Open to: 10-12

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

PHYSICAL EDUCATION, HEALTH, & DRIVER EDUCATION

DRIVER EDUCATION, CPR, FIRST AID, & SAFETY

Grade Open to:	10-12; open to Gr 9 based upon birth date & available seating	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:	\$10 lab fee for supplied materials. Behind-the-Wheel fee at fall registration and additional state fee for student driver permit.				

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 students will receive the Red Cross certification upon successful completion of the skills test. 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. *This course can be used to meet the physical education requirement for graduation.*

FALL TEAM ACTIVITIES

Grade Open to:	10-12	Term:	1	Credit:	0.5
Prerequisite:	None			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. *This course can be used to meet the physical education requirement for graduation.*

FITNESS PROGRAM and DESIGN

Grade Open to:	9-10	Term:	1 or 2	Credit:	0.5
Prerequisite:	None			State ID#	08016A000

Fees: None; students must have a Physical Education uniform and school-approved lock.

Description: This course empowers high school students to take control of their physical fitness by teaching the principles of exercise science, fitness planning, and health-related goal setting. Students will learn how to assess their fitness levels and design personalized fitness programs using the FITT (Frequency, Intensity, Time, and Type) principle. The course emphasizes the five components of physical fitness - cardiovascular endurance, muscular strength, muscular endurance, flexibility, and body composition - while promoting lifelong habits of regular physical activity.

Through a combination of theoretical instruction and practical application, students will develop the skill necessary to create safe, effective, and progressive fitness plans. They will also explore topics such as injury prevention, proper exercise technique, nutrition, and the connection between physical fitness and overall health. Students will work both individually and collaboratively, tracking their progress and making adjustments to their programs based on regular self-assessment. By the end of the course, students will have the tools to maintain and improve their fitness beyond the classroom. Fitness activities and concepts are emphasized two days per week. *This course can be used to meet the physical education requirement for graduation.*

PHYSICAL EDUCATION, HEALTH, & DRIVER EDUCATION

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

HIGH PERFORMANCE WEIGHT TRAINING

Grade Open to: 10-12

Term: 1 or 2

Credit: 0.5

Prerequisite: INTRODUCTION TO WEIGHT TRAINING & Teacher Recommendation

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

INTRODUCTION TO WEIGHT TRAINING

Grade Open to: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None.

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



PHYSICAL EDUCATION, HEALTH, & DRIVER EDUCATION

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

MIND & BODY FITNESS

Grade Open to: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 19257A000

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

OFFICIATING

Grade Open to: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 08019A000

Fees: Students must have a Physical Education uniform and school-approved lock.
Students seeking to officiate, are responsible for acquiring and paying for certifications.

Description: This course provides students with a comprehensive understanding of the principles, rules, and techniques of officiating in sports. Participants will learn about the roles and responsibilities of officials in various sports, including the mechanics of officiating, rule interpretation, game management, and conflict resolution. Emphasis will be placed on developing the skills needed to make fair, consistent decisions, while fostering a positive sportsmanship environment. Students will engage in both theoretical study and practical application through simulations, video analysis, and fieldwork. This course is ideal for aspiring referees, umpires, and other sports officials, as well as coaches and players seeking deeper insight into the officiating process. Students will focus on sports that can be certified through local and state organizations such as: Baseball, Basketball, Football, Lacrosse, Softball, Soccer, Track and Field, Volleyball, and/or Girls' flag football. Fitness activities and concepts are emphasized two days per week. *This course can be used to meet the physical education requirement for graduation.*



PHYSICAL EDUCATION, HEALTH, & DRIVER EDUCATION

RECREATIONAL ACTIVITIES

Grade Open to: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

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

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

SPORTS MEDICINE

Grade Open to: 10-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 08017A000

Fees: Students are required to pay a \$20 lab fee 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. This course can be used to meet the physical education requirement for graduation.*

SPRING TEAM ACTIVITIES

Grade Open to: 10-12

Term: 2

Credit: 0.5

Prerequisite: None

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



PHYSICAL EDUCATION, HEALTH, & DRIVER EDUCATION

WALKING for FITNESS

Grade Open to: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 08005A000

Fee: Students must have a Physical Education uniform and school-approved lock

Description: The “Walking for Wellness” course is designed to introduce students to the physical, mental, and emotional benefits of walking as a lifelong activity. This course focuses on improving overall health and fitness through regular walking routines, fostering a positive relationship with exercise, and teaching students about the importance of staying active. Students will use fitness technology to track and monitor their daily activities. This class may also cover the following topics: benefits of walking, fitness goal-setting, basic anatomy, nutrition, and body adaptations to exercise. This course will primarily be going outside daily in all types of weather conditions. District guidelines will be followed for weather conditions. Fitness activities and concepts are emphasized two days per week. *This course may be repeated for credit. This course can be used to meet the physical education requirement for graduation.*

WELLNESS

Grade Open to: 9

Term: 1

Credit: 0.5

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

YOGA: CORE & MORE

Grade Open to: 9-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 08005A000

Fee: None; Students must have a Physical Education uniform and school-approved lock

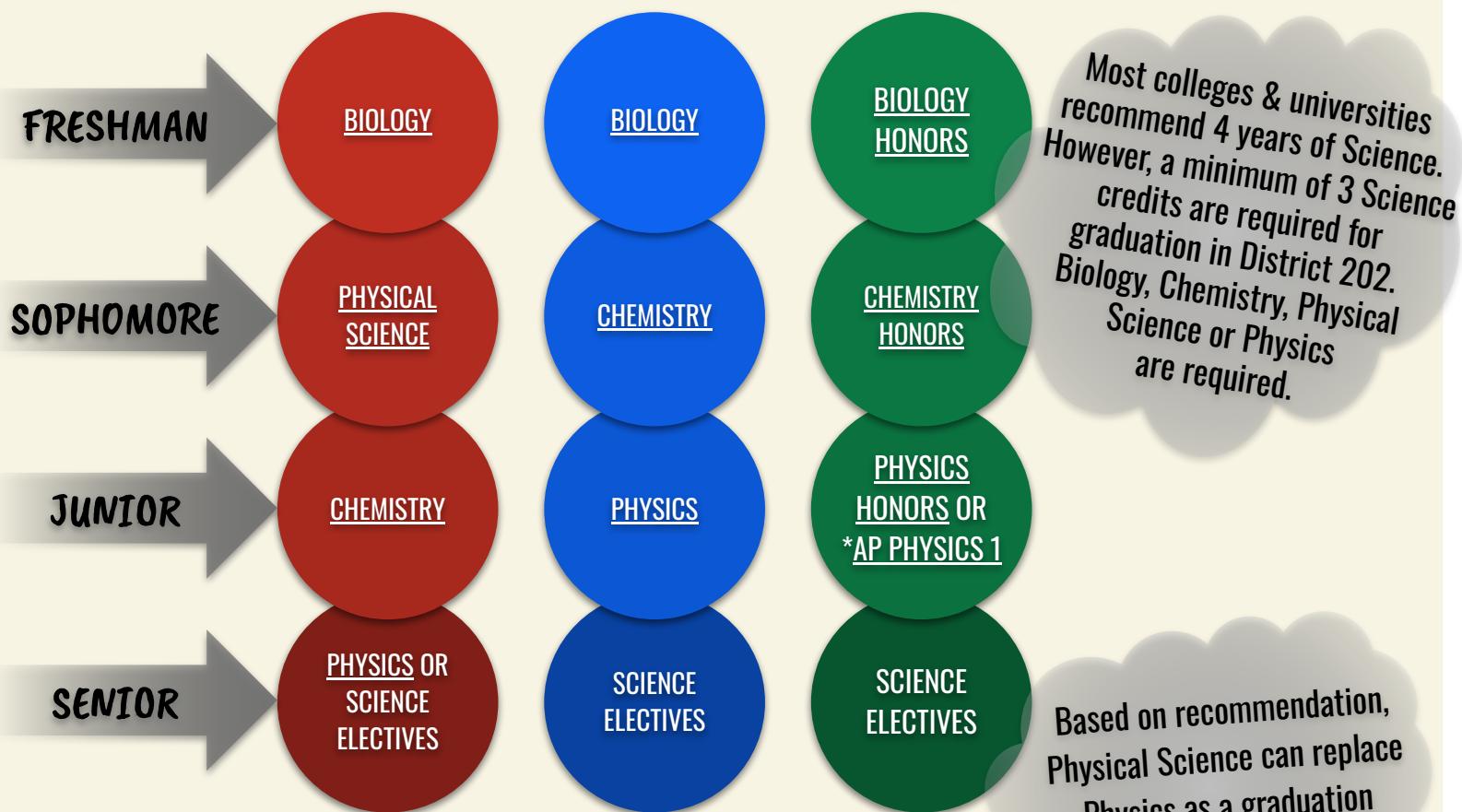
Description: The dynamic course focuses on building core strength, flexibility, and balance through yoga practices. Designed for all levels, Yoga: Core and More combines traditional yoga postures with targeted core exercises to enhance overall physical strength, stability, and flexibility. Students will explore various yoga styles, emphasizing movements that strengthen the core muscles while improving posture and body awareness. Through guided practice, students will learn breathwork, mindfulness techniques, and relaxation methods, fostering both physical fitness and mental clarity. Whether you’re looking to increase core stability, relieve stress, or deepen one’s yoga experience, this course offers a comprehensive approach to holistic wellness. Fitness activities and concepts are emphasized two days per week. *This course may be repeated for credit. This course can be used to meet the physical education requirement for graduation.*

SCIENCE

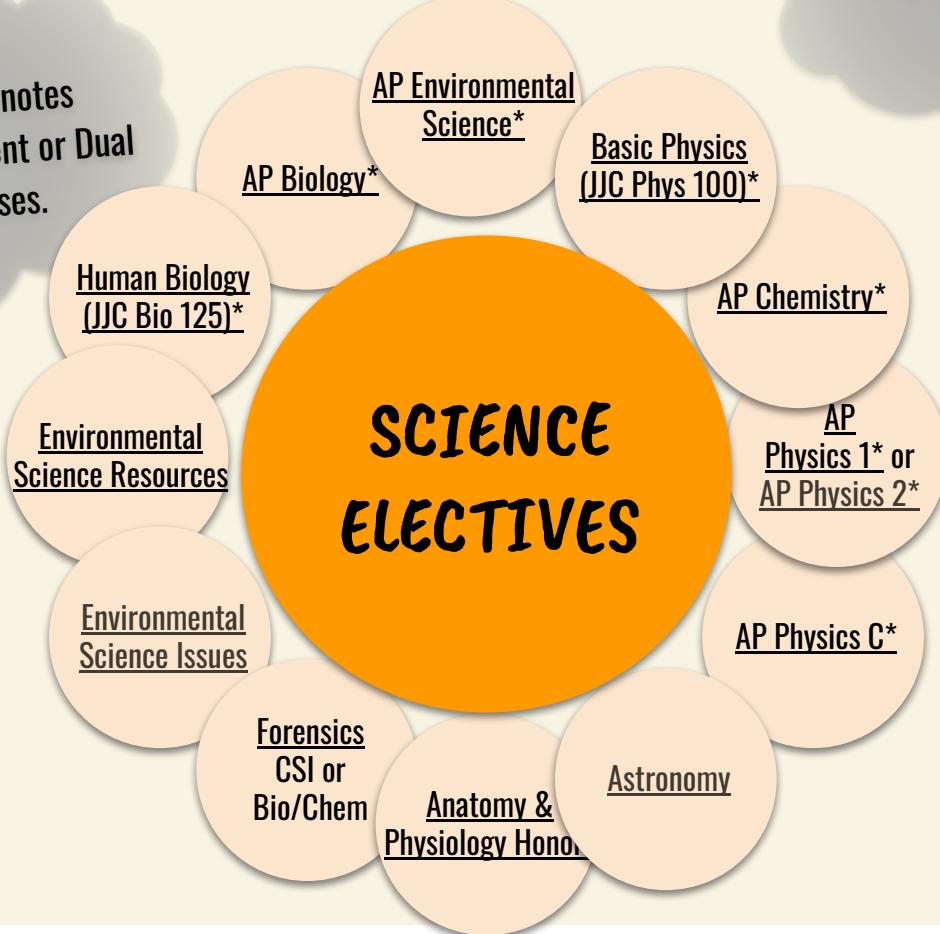
Class Title	Grade Level	Page
<u>ANATOMY AND PHYSIOLOGY HONORS</u>	10-12	95
<u>AP BIOLOGY</u>	11-12	95
<u>AP CHEMISTRY</u>	11-12	95
<u>AP ENVIRONMENTAL SCIENCE</u>	11-12	96
<u>AP PHYSICS 1</u>	11-12	96
<u>AP PHYSICS 2</u>	11-12	96
<u>AP PHYSICS C</u>	11-12	96
<u>ASTRONOMY</u>	11-12	97
<u>BIOLOGY</u>	9	97
<u>BIOLOGY HONORS</u>	9	97
<u>CHEMISTRY</u>	10-11	97
<u>CHEMISTRY HONORS</u>	10	97
<u>ENVIRONMENTAL SCIENCE: ENVIRONMENTAL ISSUES</u>	10-12	98
<u>ENVIRONMENTAL SCIENCE: ENVIRONMENTAL RESOURCES</u>	10-12	98
<u>FORENSICS: BIOLOGICAL & CHEMICAL</u>	11-12	98
<u>FORENSICS: CSI & PHYSICAL EVIDENCE</u>	11-12	98
<u>PHYSICAL SCIENCE</u>	10	99
<u>PHYSICS</u>	11-12	99
<u>PHYSICS HONORS</u>	11-12	99
DUAL CREDIT SCIENCE COURSES (in partnership with Joliet Junior College)		
<u>HUMAN BIOLOGY</u>	12	100
<u>BASIC PHYSICS</u>	12	100



SUGGESTED SCIENCE SEQUENCE



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 & CHEMISTRY

State ID# 03053A000

Fees: Students required to purchase the \$33 workbook

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 can be used to meet the science credit requirement for graduation if Biology, Chemistry, and Physic requirements are successful completed.*

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. This course can be used to meet the science credit requirement for graduation if Biology, Chemistry, and Physic requirements are successful completed.*

AP CHEMISTRY

Grade Open to: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: CHEMISTRY or CHEMISTRY HONORS & 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, thermochemistry, 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). This course can be used to meet the science credit requirement for graduation if Biology, Chemistry, and Physic requirements are successful completed.*

SCIENCE

AP ENVIRONMENTAL SCIENCE

Grade Open to: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: BIOLOGY & 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 can be used to meet the science credit requirement for graduation if Biology, Chemistry, and Physic requirements are successful completed.*

AP PHYSICS 1

Grade Open to: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: ALGEBRA 2 or concurrent enrollment in ALGEBRA 2

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; work, energy, and power; linear momentum; torque, rotational kinematics, and moment of inertia; rotational kinetic energy, torque and work, and angular momentum/impulse; simple harmonic motion; fluids. 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). This course can be used to meet the science credit requirement for graduation if Biology, Chemistry, and Physic requirements are successful completed.*

AP PHYSICS 2

Grade Open to: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: ALGEBRA 2 or concurrent enrollment in ALGEBRA 2

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 options; topics in modern physics. *This course carries a weighted grade. Graphing calculator required (TI-84, or TI-84+ preferred). This course can be used to meet the science credit requirement for graduation if Biology, Chemistry, and Physic requirements are successful completed.*

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). This course can be used to meet the science credit requirement for graduation if Biology, Chemistry, and Physic requirements are successful completed.*

SCIENCE

ASTRONOMY

Grade Open to: 11-12	Term: 1 or 2	Credit: 0.5
Prerequisite: Biology, Chemistry, Physical Science/Physics		State ID# 03004A000

Description: Explore the universe beyond our planet in this engaging, high school-level introduction to Astronomy course. Students will journey through the cosmos, examining the solar system, stars, galaxies, black holes, and the origins of the universe itself. They will gain an understanding of the tools and techniques astronomers use, including telescopes, space missions, and the study of light. By the end of the course, students will be able to appreciate their place in the universe. *This course can be used to meet the elective credit requirement for graduation.*

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

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

CHEMISTRY

Grade Open to: 10-11	Term: 1 & 2	Credit: 1.0
Prerequisite: <u>ALGEBRA 1</u>		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, 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 (TI-84, or TI-84+ preferred) or scientific calculator required. This course can be used to meet the science requirement for graduation.*

CHEMISTRY HONORS

Grade Open to: 10	Term: 1 & 2	Credit: 1.0
Prerequisite: <u>ALGEBRA 1</u>		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, 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 (TI-84, or TI-84+ preferred) or scientific calculator required. This course can be used to meet the science requirement for graduation.*

SCIENCE

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 can be used to meet the science credit requirement for graduation if Biology, Chemistry, and Physic requirements are successful completed.*

ENVIRONMENTAL SCIENCE: ENVIRONMENTAL RESOURCES

Grade Open to: 10-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

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 can be used to meet the science credit requirement for graduation if Biology, Chemistry, and Physic requirements are successful completed.*

FORENSICS: BIOLOGICAL & CHEMICAL EVIDENCE

Grade Open to: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: BIOLOGY & CHEMISTRY

State ID# 03214A000

Description: This course teaches students critical thinking, deductive reasoning, laboratory techniques, and problem-solving skills. These skills are then related to real-life situations and criminal law cases. This course will focus on Biological (ie. DNA) and Chemical (ie: Toxicological) evidence as well as the following overall student outcomes: 1) Apply scientific laboratory processes and techniques to the solving of a crime; 2) Evaluate the scientific accuracy of Biological and Chemical Evidence; and 3) Predict and appropriately communicate the results of evidence collection and analysis. *This course can be used to meet the science credit requirement for graduation if Biology, Chemistry, and Physic requirements are successful completed.*

FORENSICS: CRIME SCENE INVESTIGATION and PHYSICAL EVIDENCE

Grade Open to: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: BIOLOGY & CHEMISTRY

State ID# 03214A000

Description: This course teaches students critical thinking, deductive reasoning, laboratory techniques, and problem-solving skills. These skills are then related to real-life situations and criminal law cases. This course will focus on Crime Scene Investigation Techniques (ie: Crime Scene Processing and the handling of Eyewitnesses) and Physical Evidence (ie: Fingerprints and Document Analysis) as well as the following overall student outcomes: 1) Apply scientific laboratory processes and techniques to the solving of a crime; 2) Evaluate the scientific accuracy of Physical Evidence; and 3) Predict and appropriately communicate the results of evidence collection and analysis. *This course can be used to meet the science credit requirement for graduation if Biology, Chemistry, and Physic requirements are successful completed.*

SCIENCE

PHYSICAL SCIENCE

Grade Open to: 10

Term: 1 & 2

Credit: 1.0

Prerequisite: BIOLOGY & Math/Science Division Chair recommendation

State ID# 03159A000

Description: Physical Science will reinforce the algebra skills required for scientific processes and 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. 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. This course can be used to meet the science requirement for graduation.*

PHYSICS

Grade Open to: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: ALGEBRA 1

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). This course can be used to meet the science requirement for graduation.*

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). This course can be used to meet the science requirement for graduation.*

SCIENCE

DUAL CREDIT SCIENCE COURSES (in partnership with Joliet Junior College)

HUMAN BIOLOGY

Credit: 0.5

Grade Open to: 12

Term: 1 or 2

JJC BIO 125 Human Biology – 4.0 credit hours

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

Fees: \$36.00 JJC fee and purchase of college textbook(s).

State ID# 03052A000

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. This course can be used to meet the science credit requirement for graduation if Biology, Chemistry, and Physic requirements are successful completed.*

BASIC PHYSICS

Credit: 0.5

Grade Open to: 12

Term: 1 or 2

JJC Phys 100 Basic Physics – 4.0 credit hours

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

Fees: \$36.00 JJC fee and purchase of college textbook(s).

State ID# 03152A000

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. This course can be used to meet the science credit requirement for graduation if Biology, Chemistry, and Physic requirements are successful completed.*

SOCIAL SCIENCE

Class Title	Grade Level	Page
<u>AP AFRICAN AMERICAN STUDIES</u>	10-12	103
<u>AP EUROPEAN HISTORY</u>	10-12	103
<u>AP HUMAN GEOGRAPHY</u>	9-12	103
<u>AP GOVERNMENT AND POLITICS: UNITED STATES</u>	11-12	104
<u>AP MICROECONOMICS</u>	11-12	104
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<u>GOVERNMENT & CIVICS</u>	11-12	106
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<u>U.S. HISTORY</u>	10-12	107
<u>WORLD CULTURES & GEOGRAPHY</u>	9-12	107
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DUAL CREDIT SOCIAL SCIENCE COURSES		
(in partnership with Joliet Junior College)		
<u>GENERAL PSYCHOLOGY</u>	11-12	108
<u>HISTORY OF THE UNITED STATES TO 1865</u>	11-12	108
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<u>HISTORY OF CIVILIZATION I</u>	11-12	109
<u>HISTORY OF CIVILIZATION II</u>	11-12	109



SUGGESTED SOCIAL SCIENCE SEQUENCE

FRESHMAN

*AP Human Geography
World Cultures & Geography
World History or
*AP World History

SOPHOMORE

*AP African American Studies
*AP European History
*AP Human Geography
Chicago History
US History or
*AP US History
World Cultures & Geography
World History

JUNIOR

*AP African American Studies
Economics or
*AP Microeconomics
*AP European History
*AP Human Geography
Government or
*AP Government
Chicago History
Military History & Society
Psychology
*AP Psychology
*History of the US to 1865 (JJC HIST 103)
*History of the US, 1865- Present (JJC HIST 104)
*Psychology (JJC Psyche 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)

SENIOR

*AP African American Studies
Economics or
*AP Microeconomics
*AP European History
*AP Human Geography
Government or
*AP Government
Chicago History
Military History & Society
Psychology
*AP Psychology
*History of the US to 1865 (JJC HIST 103)
*History of the US, 1865- Present (JJC HIST 104)
*Psychology (JJC Psy 101)
Sociology
Introduction to Criminal & Civil Law
*Western Civilization I (JJC Hist 105)
*Western Civilization II (JJC Hist 106)

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

Generally, most colleges & universities require 3 Social Science credits for graduation. However, a minimum of two Social Science credits are required for graduation in District 202.

Economics/AP Economics can be used toward the required Consumer Education credit; additional options can be found in the Career and Technical Education section.

SOCIAL SCIENCE

AP AFRICAN AMERICAN STUDIES

Grade Open to: 10-12	Term: 1 & 2	Credit: 1.0
Prerequisite: None		State ID# 04107A000

Description: The course is designed to offer high school students an evidence-based introduction to African American studies. The interdisciplinary course reaches into a variety of fields—literature, the arts and humanities, political science, geography, and science—to explore the vital contributions and experiences of African Americans. There is a required capstone project. *This course carries a weighted grade. This course can be used to meet the elective requirement for graduation.*

AP EUROPEAN HISTORY

Grade Open to: 10-12	Term: 1 & 2	Credit: 1.0
Prerequisite: None		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. This course can be used to meet the elective requirement for graduation.*

AP HUMAN GEOGRAPHY

Grade Open to: 9-12	Term: 1 & 2	Credit: 1.0
Prerequisite: None		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 require summer reading. This course can be used to meet the elective requirement for graduation.*

SOCIAL SCIENCE

AP GOVERNMENT AND POLITICS: UNITED STATES

Grade Open to: 11-12	Term: 1 or 2	Credit: 0.5
Prerequisite: None		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. This course can be used to meet the social science requirement for graduation.*

AP MICROECONOMICS

Grade Open to: 11-12	Term: 1 or 2	Credit: 0.5
Prerequisite: None		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. This course can be used to meet the consumer education requirement for graduation.*

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

SOCIAL SCIENCE

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. This course can be used to meet the social science requirement for graduation.*

AP WORLD HISTORY

Grade Open to: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

State ID# 04067A000

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

CHICAGO HISTORY

Grade Open to: 10-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 04105A000

Description: Chicago History is a semester-long course designed to deepen students' understanding and appreciation of Chicago's rich history and culture while enhancing critical thinking, reading, and writing skills. The course chronologically explores Chicago's evolution, examining the art, architecture, music, literature, major events, social issues, and politics that have shaped the city to what we know today. Through this focused study of Chicago's unique place in American history, students will not only gain a deeper appreciation for their city's heritage but also develop essential literacy skills applicable across fields. *This course can be used to meet the elective requirement for graduation.*

SOCIAL SCIENCE

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.*

GOVERNMENT & CIVICS

Grade Open to: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

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 can be used to meet the social science requirement for graduation.*

INTRODUCTION TO CRIMINAL & CIVIL LAW

Grade Open to: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

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

MILITARY HISTORY & SOCIETY

Grade Open to: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

State ID# 04110A000

Description: Military History is a one semester elective that focuses on the complexities of warfare and its impact on societies. Students will be encouraged to think critically, gather information, and analyze historical evidence to form their perspectives on the legitimacy of conflict and its enduring consequences. Key battles, notable figures, and the societal impact on each era from ancient times through modern warfare will be emphasized. Upon completion of this course students will understand how the evolution of military practices has influenced world events. *This course can be used to meet the elective requirement for graduation.*

SOCIAL SCIENCE

PSYCHOLOGY

Grade Open to: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

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

SOCIOLOGY

Grade Open to: 11-12

Term: 1 or 2

Credit: 0.5

Prerequisite: None

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

U.S. HISTORY

Grade Open to: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: None

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 can be used to meet the social science requirement for graduation.*

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

SOCIAL SCIENCE

WORLD HISTORY

Grade Open to: 9-12

Term: 1 & 2

Credit: 0.5 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. *This course can be used to meet the elective requirement for graduation.*

DUAL CREDIT SOCIAL SCIENCE COURSES (in partnership with Joliet Junior College)

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.

Fees: \$36.00 JJC fee and purchase of college textbook(s).

State ID# 04254A000

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

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.

Fees: \$36.00 JJC fee and purchase of college textbook(s).

State ID# 04101A000

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 can be used to meet the social science requirement for graduation.*

SOCIAL SCIENCE

DUAL CREDIT SOCIAL SCIENCE COURSES (in partnership with Joliet Junior College)

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.

Fees: \$36.00 JJC fee and purchase of college textbook(s). **State ID#** 04101A000

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 can be used to meet the social science requirement for graduation.*

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.

Fees: \$36.00 JJC fee and purchase of college textbook(s). **State ID#** 04063A000

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

HISTORY OF CIVILIZATION II

Grade Open to: 11-12 **Term:** 2 **Credit:** 0.5
JJC Hist 106 History of Civilization II; 3.0 credit

Prerequisite: **HISTORY OF CIVILIZATION I** and the minimum grade of "C" in all previous JJC courses.

Fees: \$36.00 JJC fee and purchase of college textbook(s). **State ID#** 04063A000

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

SPECIAL EDUCATION

District 202 is committed to providing a quality education in the least restrictive environment for students with disabilities who require an Individualized Education Plan (IEP). The mission of the Special Education Department is to create student-centered learning environments that support students in developing the skills necessary to become lifelong learners and to successfully transition to post-secondary opportunities.

The IEP team determines the appropriate special education and related services each student needs to progress through the general education curriculum. District 202 offers a full continuum of special education support and related services including core requirements needed for graduation.

The following Core Curriculum courses are available for students in an instructional special education setting:

- Geometry
- English I, II, III, and IV
- Biology
- Chemistry
- Physical Science
- US History
- Government & Civics
- Economics

In addition to core curriculum, the following courses listed hereafter, are available for students with an IEP.

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<u>Guided Study</u>	9-12	111
<u>General Math 1</u>	9-12	111
<u>General Math 2</u>	9-12	111
<u>Algebra 1A</u>	9-11	111
<u>Algebra 1B</u>	10-12	112
<u>Practical Math</u>	11-12	112
<u>English A/Reading A</u>	9-12	112
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****All course selections are made as the result of an IEP team recommendation.***

SPECIAL EDUCATION

CRITICAL SKILLS

Grade Open to: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: 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: 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: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: 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: 9-12

Term: 1 & 2

Credit: 1.0

Prerequisite: 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.

ALGEBRA 1A

Grade Open to: 9-11

Term: 1 & 2

Credit: 1.0

Prerequisite: 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).*

SPECIAL EDUCATION

ALGEBRA 1B

Grade Open to: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: 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).*

PRACTICAL MATH

Grade Open to: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: 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, paying income taxes. Instruction is individualized as needed.

ENGLISH A/READING A

Grade Open to: 9-12

Term: 1 & 2

Credit: 1.0/2.0

Prerequisite: IEP Team Recommendation

State ID# 01009A000

Fees: Students are required to purchase workbook.

Description: This year long special education course is designed for students that need to build their literacy 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.

SPECIAL EDUCATION

ENGLISH C/READING C

Grade Open to: 9-12

Term: 1 & 2

Credit: 1.0/2.0

Prerequisite: IEP Team Recommendation

State ID# 01009A000

Fees: Students are required to purchase a workbook.

Description: This year long special education course is designed to strengthen students' literacy skills through a structured, research-based approach. Core areas of literacy - phonemic awareness, vocabulary development, reading comprehension, fluency, grammar, and writing will be explicitly taught and reinforced. Students will engage with both short stories and full-length novels, providing authentic opportunities to practice comprehension, critical thinking, and written express.

This course is offered in a block format to provide extended time and support for literacy development. Students enrolled in English C earn English credit while enrollment in Reading C course will provide elective credit. This course may be repeated for credit as needed to support continued growth in literacy.

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

SOCIAL COMMUNICATION

Grade Open to: 9-12

Term: 1 & 2

Credit: 1.0 PE Credit (1st year only)

Prerequisite: 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 an elective credit for a maximum of two years.

SOCIAL SKILLS FOR LIFE

Grade Open to: 9-12

Term: 1 &/or 2

Credit: 0.5 PE credit per semester

Prerequisite: 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.

VOCATIONAL EDUCATION 1

Grade Open to: 9-12

Term: 1 & 2

Credit: 1.0

(Regional ID# S1100)

Prerequisite: IEP Team Recommendation

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.

SPECIAL EDUCATION

VOCATIONAL EDUCATION 2

Grade Open to: 10-12

Term: 1 & 2

Credit: 1.0

Prerequisite: IEP Team Recommendation

(Regional ID# SI101)

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: 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.

VOCATIONAL CO-OP CLASS

Grade Open to: 11-12

Term: 1 & 2

Credit: 1.0

Prerequisite: 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).*

SPECIAL EDUCATION

VOCATIONAL CO-OP WORK

Grade Open to: 12

Term: 1 & 2

Credit: 2.0

Prerequisite: IEP Team Recommendation

(Regional ID# SI233)

State ID# 22153A000

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 the Vocational Co-Op 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.

WORK TRAINING PROGRAM

Grade Open to: 12

Term: 1 & 2

Credit: 2.0

Prerequisite: IEP Team Recommendation

State ID# 22153A000

Description: 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 student training hours based on the recommendations of the IEP Team. The emphasis is on job training rather than compensation. 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).



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

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 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, and animals.

SOCIAL SCIENCE

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.

WILCO AREA CAREER CENTER

500 Wilco Blvd
Romeoville, IL

The Wilco Area Career Center ensures that all individuals have equal opportunities and that all students receive equal educational opportunities, regardless of race, color, religion, creed, national origin, gender, age, ancestry, physical or mental handicap, or disability, or other characteristics protected by law.

At Wilco, we understand that each student has unique needs and commitments. That's why our programs are designed to offer career-based courses with a flexible scheduling option. Students can choose from three sessions, with courses conveniently scheduled at their home school. Adaptability ensures that students can find a schedule that suits their needs, making it easier to balance education with other responsibilities. Please note that some programs or levels may not be available each session.

Session 1	7:40 a.m.	-	9:50 a.m.
Session 2	9:40 a.m.	-	11:50 a.m.
*Session 3	12:26 p.m.	-	2:00 p.m.

***All students who enroll in Session 3 will need to provide their own transportation from their homeschool back to their residence. Students will have a bus from WILCO to their homeschool, but there is no transportation provided to their residence due to their late arrival back to their homeschool.**

[**Click here to visit the website for WILCO AREA CAREER CENTER**](#)



For more information on dual credit agreements with Joliet Junior College, please visit [Joliet Junior College Academics Registration for Dual Credit](#) by scanning the QR code.



Please note that agreements may change from the time of publication based on program and instructor requirements. Students are responsible for applying and completing all course registration requirements, i.e. Accuplacer testing and submitting ACT/SAT scores.

WILCO AREA CAREER CENTER

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WILCO AREA CAREER CENTER

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, M-Th 12:30p 1:45/2:15p and schedule to follow JJC calendar including holidays, spring break, etc.

Description: The ACE program aims to give students a thorough understanding of the skills and knowledge needed for a successful career in the built environment. This includes fields like architecture, building engineering, construction management, and other more. We know that this can be a challenging but fulfilling journey, and we are here to support you every step of the way. Our relevant and rigorous college courses provide a solid foundation in the key areas of the building industry. Each ACE class covers the terminology, processes, skills, and industry-specific topics to give students a complete overview of the fundamentals of building and construction. The ACE program is perfect for students interested in the built environment and potential careers in the construction. Earning 12 college credits, students will receive a Certificate of Completion in Basic Construction, a college credential from JJC. These credits can be used towards further study in related programs at JJC or as a foundation for further study elsewhere. A JJC registration application for the program is required. **Dual credit:** Joliet Junior College ACH100, CM100, EGR105, AEC106, AEC229, OPS111, AND SET100 (12 credit hours). **Certifications may include:** OSHA 10-hour Construction Safety (1 credit hour) **Guidance Note:** *It is recommended that students have earned a 'C' or higher in all mathematics courses and have achieved senior status. Documentation of a 95% attendance rate, a 2.5 GPA, and a record of good behavior. 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

Description: 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 enroll in four distinct college courses designed to develop 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 measurement, technical diagrams, and assembly prints, fastening devices, lubrication, basic pump operation, and basic pipefitting circuits. The program covers the principles of hydraulics and pneumatics related to fluid theory and typical industrial circuits. Students will construct fluid power circuits, including how to calculate and measure voltage, current, resistance, and power, with a focus on safe meter use, print reading, and exposure to current electrical technologies in the 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. Students will also learn skills necessary to safely operate electronic test equipment on low- and high-voltage components, as well as an introduction to installation, service, troubleshooting, and repair of various electrical controls, circuits and components. **Students must submit an application to the JJC Technical Department at Joliet Junior College. Dual credit: Joliet Junior College IMT101, IMT121, EEAS111, and EEAS101 (JJC 14 credits). Guidance Notes: Solid math skills needed with record of good attendance and behavior. Documentation of a 95% attendance rate, a 2.5 GPA, and a record of good behavior. This course carries a weighted grade.**

WILCO AREA CAREER CENTER

AET: APPLIED ENGINEERING TECHNOLOGY

Grade Open to: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: CAD recommendation, but not required

Transportation: Student must provide transportation to the JJC Main Campus. The class is held during the 3rd time block of Wilco.

Description: Students in the AET program, located at Joliet Junior College Main Campus, will have opportunities to focus on applying and implementing design theory. During the first semester, students will engage in classroom and hands-on shop activities. The shop experience emphasizes exercises and procedures that demonstrate the basic processes and operations of using hand tools, layout tools, and machine tools such as vertical saws, drill presses, engine lathes, vertical milling machines, and surface grinders. In the classroom, emphasis is placed on theory-related information that is essential for setting up and operating machine tools and performing basic processes in the machine shop. In the second semester, students will gain knowledge and skills in numerical control and computer programming procedures. This course will also include "hands-on" experience programming, setting up, and operating an NC milling and drilling machine as well as a CNC milling and drilling machine. Students will become familiar with Windows NT and the computer program "Notepad." Additionally, students will work to develop a high level of skill in visualizing, applying, and, interpreting machining and welding symbols and specifications. This course also covers the reading of diagrams. **A JJC registration application for the program is required.**

Dual credit: Joliet Junior College MFG101, MFG 111, and MFG 115. (11 credit hours)

Guidance Notes: Documentation of a 95% attendance rate, a 2.5 GPA, and a record of good behavior. Solid math skills are needed.

AUTO SERVICES (MECHANICS) I

Grade Open to: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None (**INTRODUCTION TO INDUSTRIAL TECHNOLOGY** is recommended)

Fees: Estimated cost \$50.00 and \$36 (\$12/JJC credit hour)

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 prepare them for post-secondary programs. Students' knowledge of measurement, estimation, and algebra, along with a technology course would be advantageous. First year students will develop vehicle maintenance and repair skills, including brakes, steering and suspension, and will also learn the basics of electrical and engine performance sensors. The curriculum follows the National Automotive Technicians Education Foundation (NATEF) format. This program aims to prepare students for the Automotive Service Excellence (ASE) certification exams. Students will be required to purchase a Wilco work shirt, safety glasses, and nitrile gloves. **Guidance Notes:** 70% of time in lab, assignment and test for each area/chapter. **Certifications may include:** OSHA 10-hour General Industry **Dual Credit:** Joliet Junior College AS101 (3 credit hours)

WILCO AREA CAREER CENTER

AUTO SERVICES (MECHANICS) II

Grade Open to: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: AUTO SERVICES (MECHANICS I)

Fees: \$50.00 student fee and \$36.00-\$48.00 (\$12/JJC credit hour)

Transportation: Students may need their own transportation to and from WILCO Area Career Center for the early bird session.

Description: Second year students will continue their electrical and engine performance training after successfully completing Auto Service 1. Students will be complete labs involving diagnosing electrical circuits, sensors, drivability issues, 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 further their training through a suitable technical school, college, manufacturer's program, or university. The curriculum follows the National Automotive Technicians Education Foundation (NATEF) format. This program prepares students for the Automotive Service Excellence (ASE) certification. Students should bring safety glasses, work shirts, and nitrile gloves. Replacement items are available for an additional fee. *Mercedes Benz Connect program is offered as part of the program. Dual credit: 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.

Fee: \$96.00 (\$12/Lewis Univ credit hour)

Transportation: Students must provide their own transportation to/from Lewis University. A Lewis registration application for the program is required.

Description: This senior-only course is offered in partnership with Lewis University. Fall semester students will take AVMT-10600 Aviation Fundamentals (4 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. The course has 90 contact hours (60 lecture/ 30 lab) and meets the requirements of 14 CFR 147.

Spring semester students will take AVMT-11000 Aircraft Structures 1 (4 college credit hours) which will focus on riveting and sheet metal repair, including aluminum, forming and layout and oxyacetylene welding operation. Corrosion and corrosion control are also studied. The course has 180 contact hours (60 lecture/ 120 lab).

Dual Credit: Lewis University AVMT-10600 and AVMT-11000 (8 credit hours). **Guidance Notes:** Students selected for enrollment in college-level courses must have appropriate academic qualifications, which include a 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, and adequate time to devote to studying a college level course. **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 \$4,350/3,150 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 Plainfield, IL, 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 with curriculum in both theory and practice in areas related to barber science and art, including anatomy; physiology; skin diseases; hygiene and sanitation; barber history; barber law; hair cutting and styling; shaving, shampooing, and permanent waving; massaging; and barber tools as they relate to the Barber, Cosmetology, Esthetics and Nail Technology Act. The knowledge, skills, and activities gained through this course will also include advanced theoretical and practical training, building toward the 1500 hours of study required for barbering and to prepare students for the barbering license exam. **Certifications:** Program completion allows students to sit for the Illinois Department of Public Health Barbering license. **Guidance Notes:** Students must meet with the Barbering school to sign a contract and complete all required paperwork prior to the course being added to their schedule.

BUSINESS/FINANCE ACADEMY

Grade Open to: 11-12

Prerequisite: Students must have a 3.0 GPA along with 95% attendance. **Term:** 1 & 2

Credit: 3.0

Fees: None

Transportation: Students must provide their own transportation to Joliet Junior College main campus.

Description: This is a dual credit course offered through a partnership with Joliet Junior College and will take place at the main campus in Joliet, IL. Students will need to apply through the dual credit enrollment application and must complete the first semester with a grade of "C" or higher to proceed to the second semester. Good attendance is crucial for college success. All four courses below are IAI transfer courses. *This course will run 3rd session Monday-Thursday.*

ACCY 101 - The first college-level course in accounting emphasizes financial accounting. This course covers the accounting cycle, assets, liabilities, and stockholders' equity. Attention is given to providing the student with an understanding of accounting procedures and the ability to use accounting data effectively. Computer applications are included. This course is designed for students who plan to continue with additional courses in the field, as well as for those whose needs are limited to an introductory course.

ACCY 102 - Continuation of ACCY 101. The emphasis of this second accounting course is on managerial accounting. Included in this course are the fundamentals of job order and process-cost systems, cost-volume-profit analysis, budgeting, variance analysis, and other topics. Computer applications are included. Prerequisite: ACCY101

ECON 103 - A study of economic forces underlying the economic system with special emphasis on an analytical approach to determine price, national product, saving, consumption, investment, employment, growth, and economic stability, banking system, and international economics.

ECON 104 - A study of economic relationships at the level of the individual consumer, firm, and industry. This course explores pricing and output in different market settings, regulation and antitrust policy, market failure, and wage determination. Prerequisite: ECON 103

This course carries an honor weight. 14 College credits from JJC.

WILCO AREA CAREER CENTER

BUSINESS LOGISTICS

Grade Open to: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fee: \$132.00 (\$12/JJC credit hour)

Description: This is dual credit coursework offered a partnership with Joliet Junior College. It focuses on key topics such as supply chain and operations management, transportation and distribution, cargo security compliance, import/export basics, and professional business and communication skills needed for success in the field. The course includes four classes: Transportation and Physical Distribution (SCM 100 - 3 credit hours), Introduction to Supply Chain Management (SCM 110 - 3 credit hours), International Logistics (SCM 150 - 3 credit hours) and Purchasing and Supply Management (SCM 160 - 2 credit hours) totaling 11 credit hours. It is open to juniors and seniors, however, students must start the program during their junior year to earn the certificate, though they can take the Business Logistics or Business Management course in any order. Additionally, students may enroll in a qualifying course at their home school at the same time to fulfill the extra business course requirements for the certificate. **Dual Credit:** Joliet Junior College SCM100, SCM110, SCM150, SCM160 (11 credit hours) Certifications may include: Global Chain Management Certification

BUSINESS MANAGEMENT

Grade Open to: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: May require a JJC Placement test ENG 101, SAT EBRW 480, ACT 19 (English), or ACCUPLACER 246-300

Fee: \$144.00 (\$12/JJC credit hour)

Description: Students who complete this course will earn the Customer Service Certificate of Completion from Joliet Junior College. The Customer Service Representative plays a crucial role in an organization as the first point of contact for customers and a direct link to the sales team. Customer Service Representatives provide information and expert advice related to products and services; they anticipate customer needs, process orders and returns, and resolve complaints. The course consists of four classes: Principles of Business Communications (BUS111), Customer Service (BUS110), Human Relations (MGMT 102), and Operations Management (SCM 130). This certificate offers a strong foundation in business communication, human relations, and excellent customer service practices. Graduates earning this certificate are prepared to pursue entry-level positions in the customer service field.. **Dual credit:** Joliet Junior College BUS111, BUS110, MGMT 102, and SCM 130 (12 credit hours). Guidance notes: Pre

WILCO AREA CAREER CENTER

CERTIFIED NURSING ASSISTANT

Grade Open to: 11 & 12

Prerequisite: None

Term: 1 & 2

Credit: 3.0

Fees: Student fee of \$110, \$72.00 (\$12/JJC credit hour) and an additional \$85 for the State CNA exam in the Spring. Potential fee pending dual credit enrollment.

Transportation: Student must provide own transportation to clinical site.

Description: The Certified Nursing Assistant program is a **junior/senior** designed to prepare the student for employment as a Certified Nurse Assistant. The curriculum covers all standards and procedures found in the Illinois Department of Public Health Certified Nurse Aide Instruction Model. Students can take the State Nurse Aide Examination through this course after completing 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. To remain eligible for Joliet Junior College credit and the Illinois Department of Public Health Certified Nurse Aide Exam, students must maintain an 80% average throughout the semester. After completing the course, students can pursue further education to prepare for various healthcare careers, such as Registered Nurse, Physical Therapist, Ultrasound Technician, and more. Students are required to wear appropriate clothing at clinical site. **Dual Credit:** Joliet Junior College NA101 (6 credit hours) and College of DuPage SURGT1000 (3 credit hours). **Guidance Notes:** 30% of time in lab. Daily assignments and weekly tests. **Emphasis on human anatomy.** **Certifications may include:** American Heart Association (AHA) Basic Life Support (BLS) and IDPH State Certification.

CERTIFIED NURSING ASSISTANT (ACCELERATED)

Grade Open to: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: Student fee is \$150 student fee, \$72 (\$12/JJC credit hr), and an additional \$85 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** designed to prepare the student for employment as a Certified Nurse Assistant during the first semester. 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 second semester, focusing on sterile processing and healthcare ethics. The curriculum covers all standards and procedures outlined in the Illinois Department of Public Health Certified Nurse Aide Instruction Model. The State Nurse Aide Examination can be taken through this course after completing 40 hours of on-site clinical experience at a local nursing facility, included in the class structure if the student has a Social Security number. Students must have transportation to the clinical site, a physical exam, vaccination records, and a TB test completed before September 15th. Before beginning the clinical experience, students must undergo a Health Care Worker criminal background check. Before starting the clinical at the hospital second semester, students will need a drug screening and proof the flu shot. Students must maintain an 80% throughout the semester 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 admission. After completing the course, students can continue their education toward careers such as Registered Nurse, Physical Therapist, Respiratory Therapist, Ultrasound Technician, and more. Students are required to wear appropriate clothing at clinical site. **Dual Credit:** Joliet Junior College credit for NA101 (5.5 credit hours) and College of DuPage SURGT1000, CSPD1111 (6 credit hrs). **Guidance Notes:** 30% of time in lab. Daily assignments and weekly tests. **Emphasis on human anatomy.** Certifications may include: American Heart Association (AHA) Basic Life Support (BLS) and IDPH State Certification.

WILCO AREA CAREER CENTER

CCC: CYBERSECURITY, CISCO AND CLOUD

Grade Open to:	11 & 12		
Prerequisite for CNT 101:	None	Term:	1 & 2
Prerequisite for CNT 102	CNT 101 with a "C" or higher		
Fee:	\$144.00 (\$12/JJC credit hour)		
Transportation:	Students will need their own transportation to and from <u>Joliet Junior College North Campus</u> in Romeoville. A JJC registration application for the program is required.		

Description: The Cisco program is offered in partnership with Joliet Junior College and will be held at the North campus in Romeoville, IL. Students must complete the first course with a 'C' or higher to continue into the second semester of the course. Good attendance is crucial for college success. Students also need a strong math background and computer aptitude. Dual Credit: Joliet Junior College CNT101, CNT102, CNT220, CIS 125 (12 credit hours). *This course carries a weighted grade.*

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. Media design, structured cabling, and network management are also covered. 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 establishing remote networks. Topics include the basics 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. Prerequisite(s): CNT 101

CNT 220 - Cisco Certified Network Associate (CCNA) Security (3 credit hours)

This course is approved by Cisco Systems Inc. and prepares students for the Cisco Certified Network Associate (CCNA) Security exam. The US National Security Agency (NSA) and the Committee on National Security Systems (CNSS) recognize that the Cisco CCNA Security certification courseware meets the CNSS 4011 training standard. The course provides training to develop a security infrastructure, recognize threats and vulnerabilities to networks, and mitigate security threats.

CIS 125 - Cloud Essentials (3 credit hours)

This introduction to cloud course covers material pertaining to both CompTIA Cloud Essentials and Introduction to Cloud Infrastructure Technologies (LinuxFoundationX -LFS151.x). The Cloud Essentials course is relevant to business analysts, business process owners, technical support staff, managed service provider personnel, new data center staff, and sales/marketing staff in cloud product or service environments. Cloud Infrastructure Technologies is a vendor-neutral curriculum designed for business owners and technical professionals who want to bolster their knowledge of the fundamentals of Cloud Computing. Introduction to Cloud Infrastructure Technologies will help you understand the basics of Cloud Computing terminology, tools, and technologies associated with today's top Cloud platforms. Anyone looking to move to the Cloud, regardless of vendor platform, can benefit from Introduction to Cloud Infrastructure.

WILCO AREA CAREER CENTER

COMPUTER TECHNOLOGY

Grade Open to: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None (INTRODUCTION TO INDUSTRIAL TECHNOLOGY is recommended)

Fee: \$120.00 (\$12/JJC credit hour)

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, PowerPoint 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.

Fundamentals of 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 Wilde Area Network.

IT Technical Support: 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 replace 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 preparation for taking the Comp TIA A+ certification exam.

Dual Credit: Joliet Junior College CIS122, CIS145, CYBIT120 (10 credit hrs).

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 related 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 aspects of construction including career readiness skills of teamwork, communications, work ethics, problem solving, and adaptability. Additional units may cover plumbing, electricity, concrete, block laying, drywall and painting. Careers like agricultural engineers, carpenters, plumbers, electricians, concrete and block layers, finishers, safety specialists, landscape designers, turf managers, and related fields will be explored. **Guidance Note:** Recommended that students have earned a 'C' or higher in Geometry

WILCO AREA CAREER CENTER

COSMETOLOGY

Grade Open to: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: \$1,800.00 - \$7,500.00 dependent upon cosmetology school and is 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 attending a state-approved beauty school. The professional school provides the facility, instruction, and clinical training as prescribed by the Illinois Department of Public Health. First year students must register early in January through a separate application process, which can be found online at www.wilco.k12.il.us. Students can choose from three schools in Will/Grundy counties: Professional Choice in Joliet, Franklin Institute in Morris, and The Nail Inn and School of Cosmetology in Lemont. Professional Choice is limited to seniors who must begin the program in July before their senior year.

Guidance Notes: Students must also meet with their selected cosmetology school to sign a contract and complete all required paperwork prior to beginning the program. Costs and schedules vary by location. Please contact Wilco or the cosmetology school for more information. *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.

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 \$75.00 for personal and safety equipment; \$60.00 (\$12/JJC credit hour)

Description: Students have the chance to develop an interest and master essential hands-on culinary skills along with theoretical knowledge for a career in the Hospitality Industry. The Joliet Junior College Program, sponsored by the ACF, offers an accelerated curriculum for Culinary Arts I students (taught in the first year). Course topics include, but are not limited to: Foodservice History, Sanitation & Safety; Equipment Usage; Basic & Technological Aspects in Food Service Preparation; Nutrition; Classical Cooking; Ordering, Purchasing; Receiving & Inventory Controls; Workplace Math & Accounting; Introduction to Lodging & Tourism; Workplace Skills for securing employment and customer relations; Career and Technical Ethics. Students will be directly involved in all aspects of a commercial kitchen operation. They will participate in at least 10 hours per semester of outside community service (not including field trips), as coordinated by the instructor. Additionally, students will also have opportunities to apply their culinary and leadership skills through participation in FCCLA, student organization. Further opportunities are available for dual college credits, articulated college credits, and scholarships upon meeting coursework requirements. Foods I is recommended for students interested in participating in the class. **Dual Credit:** 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:** National Restaurant Associations' certifications, ServSafe Food Protection Manager Certification, ServSafe Allergen Certification.

WILCO AREA CAREER CENTER

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: \$35.00 student fee and \$72.00 (\$12/JJC credit hrs)

Description: This course is designed to help students develop exceptional customer service skills. Students will learn how to interact with customers, resolve conflicts, understand the importance of customer satisfaction and retention, actively participate as team members, and develop time management skills. Additionally, students will acquire the skills needed to become successful event managers. They will learn how to design, plan, market and execute events. Field trips to various restaurants and event centers will be used to reinforce these concepts. Topics such as staffing, event evaluation, legal and financial concerns will also be covered. **Dual Credit:** 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: \$40.00 student fee and \$72.00 (\$12/JJC credit hr)

Description: Students will participate in assistant teaching by working directly with children ages 3, 4, and 5 years old in the Wilco Preschool Lab. First-year students will complete training for the initial level of Early Childhood Education (ECE) Credential. The curriculum offers basic knowledge and skills for those working with or intending to work with young children. Some topics covered include health, safety, nutrition, how children learn, observation and assessment, family and community relations, child development, and school aged children. After successful teaching experiences, completing all modules, and meeting attendance requirements, students may earn their credentials. **Dual credit:** Joliet Junior College CDEV201 and CDEV137 (6 credit hrs). **Guidance Notes:** Weekly assignments, projects, and quizzes. 60% of time working with preschool children in the lab. **Certifications may include:** American Heart Association CPR, Gateways to Opportunities Early Childhood Credential Level 1, Shaken Baby, and Mandated Reporter.

EARLY CHILDHOOD EDUCATION II

Grade Open to: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: EARLY CHILDHOOD EDUCATION I

Fees: \$20 student fee and \$72.00 (\$12/JJC credit hr)

Description: Second year students continue teaching in the preschool lab and are regarded as "experienced teachers." Course content includes child development, including literacy and education issues. Their assignments include working individually with a preschool child to create an "observation book," along with other required projects required by Joliet Junior College. Second year students may also spend time at childcare sites for observations, depending upon their grades, while continuing work on the Joliet Junior College coursework. **Dual credit:** 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:** Gateways to Opportunity Early Childhood Education Level 2.

WILCO AREA CAREER CENTER

EMERGENCY MEDICAL SERVICES

Grade Open to: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: FIRE SCIENCE or INTRODUCTION TO HEALTH PROFESSIONS, with an 80%/B or better, or completed 3 years of science with a 'B' or better

Fees: \$100.00 student participation and \$104 additional for the National exam.

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. This program is approved by the Illinois Department of Public Health. The year will focus on preparing students for the various career paths related to the fire service and healthcare fields. Students will learn to care for, handle, and extricate critically ill and injured individuals. Topics will include airway management, patient assessment, vital signs, cardiopulmonary resuscitation, lifting and moving patients, documentation, communication, pharmacology, and cardiac emergencies. A strong emphasis will be placed on medical terminology. If IDPH approves the program, the EMT-Basic program requires students spend 16 hours off-campus in a hospital emergency room and 24 hours of ambulance ride-time in addition to the classroom. If approved by IDPH, students who successfully complete the course may take the EMT-Basic exam. **Dual credit:** Proficiency credit Joliet Junior College EMS200, College of DuPage FIRE2271 (10 credit hours) with National Registered Emergency Medical Technician.

Certifications may include: American Heart Association Health Care BLS Provider and National EMT-B license.

FIRE SCIENCE

Grade Open to: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: May require placement into ENG 098 and ENG 020, ACT 19 (English), SAT EBRW 460, or ACCUPLACER 222 Writeplacer 0-3

Fees: \$75.00 student fee and \$84.00 (\$12/JJC credit hour)

Description: Fire Science will follow the curriculum established by the Illinois Fire Marshall's Office, the Illinois Department of Health, and the Department of Transportation. Students will learn the fundamentals of firefighting through classroom instruction and guided activities, including fire service history, education and the selection process, chemistry and physics of fire, building construction, personal protective equipment, operating self-contained breathing apparatus, identifying ropes and tying knots, using portable fire extinguishers, performing forcible entry, carrying and raising ladders, and auto extrication. Students will also learn search and rescue techniques, operate ventilation tools, and practice hose evolutions on an working fire engine, all in a safe environment. Additionally, students will gain knowledge about the Emergency Medical Services System, how to provide emergency prehospital patient care, and use related to equipment. **Dual credit Joliet Junior College:** FSC101 and EMS 101 (7 credit hours). **Certifications may include:** State of Illinois IDPH Emergency Medical Responder, American Heart Association BLS Provider CPR, FEMA IS100c (Introduction to the Incident Command System), FEMA IS 700b (Introduction to the National Incident Management System) and Stop the Bleed. **Guidance Notes:** Emphasis on physical fitness, reading comprehension, and basic math.

WILCO AREA CAREER CENTER

HAIR BRAIDING

Grade Open to: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: \$3,000 student fee and \$100 registration fee paid to Fusion Hair Braiding

Transportation: Student must provide their own transportation to Fusion Hair and Braid Academy in Joliet and complete the application process.

Description: This off-campus offers a unique chance for students to gently improve their hairstyling skills through advanced hair braiding techniques at a state-approved beauty culture school. The professional school will supply the necessary facilities, classroom instruction, and hands-on (practical and technical) experience outlined by the Illinois Department of Public Health. The program will consist of a minimum of 300 clock hours or a 10-credit hour equivalency of instruction. First-year students should complete the separate application process by early January. The application and more details are available online at www.wilco.k12.il.us. Please contact Wilco or Fusion Hair and Braid Academy for more information. **Certification may include:** IDPH State Certification **Guidance Notes:** Students must meet with the Hair Braiding school to sign a contract and complete all required paperwork prior to the course being added to their schedule. 80% of the time in the lab & weekly assignments/quizzes.

HEAVY EQUIPMENT TECHNOLOGY

Grade Open to: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: Students must apply through WILCO and be interviewed

Fees: \$45.00 for steel-toed boots and program shirt.

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

Description: The heavy equipment technology program is designed to prepare students for careers as heavy equipment mechanics and is a senior only program. Heavy equipment includes cranes, bulldozers, front end loaders, rollers, backhoes, and hoists. Emphasis will be on the fundamentals of 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 hydraulics principles, engine components, intake and exhaust systems, welding basics, and powertrain 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.

Guidance Notes: Documentation of a 95% attendance rate and a 2.5 GPA

INTRODUCTION TO HEALTH PROFESSIONS

Grade Open to: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: None

Description: This course provides an overview of the healthcare industry, covering medical ethics and law, current trends, and career exploration. It includes an introduction to medical terminology, anatomy and physiology, vital sign measurement, mathematical conversions, standard precautions training, basic cardiac life support skills and first aid. The purpose of the course is to help students make informed decisions about health care careers and learn basic skills related to all areas of the healthcare field. **Dual credit:** College of DuPage: HLTHS1100 and HLTHS1110 (5 credit hours). Certification may include: American Heart Association BLS Provider CPR.

WILCO AREA CAREER CENTER

LAW ENFORCEMENT AND PUBLIC SAFETY

Grade Open to: 11 - 12

Term: 1 & 2

Credit: 3.0

Prerequisite: May require a JJC Placement test ENG 098 and ENG 020, SAT EBRW 460, ACT 19 (English), or ACCUPLACER of 222 Writeplacer 0-3.

Fees: \$72.00 (\$12/JJC credit hour)

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 complement physical training, career exploration, and other police tactic training. Placement into ENG 098 is required for Joliet Junior College dual credit.

LENF 103 Criminal Law: This course provides an in-depth exploration of the components, purposes, and functions of criminal law. It covers the essential elements required to establish a crime, including criminal intent (mens rea), and examines the various sources of criminal law. Students will study key topics such as attempts, conspiracy, criminal responsibility, and the range of defenses available in criminal cases. Additional focus will be placed on the laws governing arrest, search, and seizure, and the distinctions between criminal and civil law. Through the examination of real-world cases, students will gain practical insight into the application of criminal law in contemporary legal systems.

CRIMJ 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 Joliet Junior College LENF101, LENF103 (6 credit hours) and College of DuPage CRIMJ1145 (3 credit hours).

WILCO AREA CAREER CENTER

MEDICAL ASSISTING

Grade Open to: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: \$48.00 (\$12.00/JJC credit hour)

Description: The Medical Assisting program is designed for *seniors* to prepare students for a career as part of a multidisciplinary healthcare team within an outpatient care setting. Students develop the skills necessary to perform entry-level administrative and clinical procedures. They will learn patient care techniques, functional anatomy, physiology, medical terminology, and some diagnostic and specialty procedures. The role of an MA in the workplace focuses on the patient care and administrative tasks, which differs from those of a CNA, who typically provides direct patient care and assists with medical needs. CNA's often serve patients who need long term care and in need of help with basic hygiene. They handle bedside care of the elderly and can work in hospitals and nursing homes. MA's will administer injections, medications, and record patient's health information. They often perform both office tasks and medical task, such as gathering patient information during check-in and collecting insurance details. Students will be introduced to ethical behavior and professional practices expected in healthcare, covering topics like communication, teamwork, conflict resolution, all-hazard preparation, patient needs, death, and dying. Dual credit Joliet Junior College, MA102 (4 credit hours) and College of DuPage SURGT1000 (3 credit hours). **Certification may include:** American Heart Association BLS Provider CPR.

NAIL TECHNOLOGY

Grade Open to: 11 -12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: \$800.00 student fee

Transportation: Students must provide their own transportation to site in Lemont and complete the application process.

Description: This off campus course is available to students enrolled in a state-approved nail technology school. Students will enhance their communication skills, time management, and attention to detail. The course will focus on all areas of nail care, nail issues, artificial nails, and nail products. Upon successful completion of the course, the students will be qualified to take the state certification exam. **This program is located in Lemont. Guidance Notes:** 80% of the time in lab. Weekly assignments and quiz. **Certification may include:** IDPH State Certification

WILCO AREA CAREER CENTER

VETERINARY ASSISTANT I

Grade Open to: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: \$30.00 student fee and \$60.00 (\$12/JJC credit hours)

Description: Students learn animal science and animal care, including related medical terminology, fundamentals of companion animal species and breeds, behavior and training, animal anatomy and physiology, nutrition, and safety. This course enhances students' understanding of animal reproduction, ethics, welfare, health, veterinary medicine, veterinary office practices, and animal services to humans. Students develop basic skills and techniques for assisting the veterinarian/technician in handling large and small animals, grooming feeding, and maintaining equipment and facilities. Career exploration focuses on roles like veterinarians, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technicians. Since FFA is an integral part of this course, students are required to maintain a Supervised Agricultural Experience (SAE) and participate in FFA activities hosted by our chapter. Students are encouraged to volunteer at local veterinary offices and/or animal shelters. **Dual credit** Joliet Junior College AGR1119, VET 100 (JJC 5 credit hours).

VETERINARY ASSISTANT II

Grade Open to: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: \$60.00 (\$12/JJC credit hour)

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

Description: This course introduces students to veterinary medicine with a focus on small animals, exotic species, and large animals. The topics covered include roles in the veterinary hospital, medical records, anatomy and physiology, Fear Free handling, behavior, pet loss, grief and compassion fatigue, wildlife/zoo/aquarium rehabilitation, as well as basic animal nursing care such as grooming, obtaining vitals; physical exams, parasitology, and treatments for common diseases. There will be hands-on animal labs where students can perform basic nursing care on canines and felines, a class field trip to a local animal shelter to perform grooming, and a visit to JJC's agricultural center to learn about large animal medicine.

During the second semester, students will complete a 100-hour clinical practicum at a small animal general practice. Students will need to meet skill and academic requirements to be eligible for outside placement. Students will also learn to build resumes and perform mock interviews with Wilco staff.

Guidance Notes: To be eligible for the externship/clinical experience, students must maintain an 80% or higher grade for placement. **Dual Credit:** Joliet Junior College VTA101, AGRI299 (5 credit hours)

WILCO AREA CAREER CENTER

WELDING I

Grade Open to: 11-12

Term: 1 & 2

Credit: 3.0

Prerequisite: None

Fees: \$90.00 required for tools and safety clothing and \$72.00 (\$12/JJC credit hour) & \$10.00 OSHA Certification

Description: Welding I is an introductory orientation course that focuses on safety, soft skills, job readiness, ongoing education and career planning. Topics include welding terms and symbols, blueprints, procedures, organizations, and the technology used in the welding industry. As an American Welding Society (AWS) Education Institution, this program aims to prepare students for the expectations and demands of becoming an AWS Entry Level Welder.

Students will also receive practical 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. **Dual Credit:** Joliet Junior College. WLDG 101, and WLDG 110 (6 credit hours).

Guidance Notes: 70% of time in lab. Weekly assignments and quiz. **Certification may include:** OSHA-10 General Industry

WELDING II

Grade Open to: 12

Term: 1 & 2

Credit: 3.0

Prerequisite: WELDING I

Fees: \$90 for tools and safety clothing, \$36.00 (\$12/JJC credit hour), and \$10.00 OSHA Certification

Description: Welding II is designed for students seriously considering a career in the welding and related industries. This intermediate course emphasizes safety, project-based learning, career planning, basic shop drawing and blueprint reading, measurements, advanced techniques in Shielded Metal Arc Welding, fundamental use of the Gas Metal Arc Welding, Oxy/Fuel Cutting, and the operation of shop equipment used for welding and testing according to industry standards. Students in WLD-II will work with less direct supervision and are expected to perform tasks similar to those of apprentices and entry-level welders.

Dual Credit: Joliet Junior College. WLDG 120 (3 credit hours). **Certification may include:** OSHA-10 General Industry (Industrial Credentials) **Guidance Notes:** 70% of time in the lab

Additional College-level Course Work Opportunities Outside of PSD202

**These courses do not result in high school credit and will not be on the high school transcript. These courses are college credit only. Courses are subject to change based upon Lewis University's annual curriculum.*

Calculus with Analytic Geometry III - Math 172

Offered by: Joliet Junior College

Description: This is the third course in calculus and analytic geometry. The course explores multivariable calculus. It includes vectors, partial derivatives, multiple integrals, parametric curves and surfaces, vector fields, line integrals, and applications of all of these.

Students must earn a 4 or 5 on the Calculus BC AP exam or complete the Calculus II Proficiency test through Joliet Junior College.

Students complete this course virtually, asynchronously on their own time or during study hall. The instructor is a JJC Math Instructor and will provide office hours for students.

Required Textbooks/Materials: Cengage Unlimited Subscription. WebAssign will be used for online coursework (homework, quizzes, tests, etc.) and can be accessed by logging into iCampus/Canvas and selecting this course. If you are comfortable reading the textbook on the computer, you may use the eText alone. There is no need to purchase a physical textbook for this course; the Cengage Unlimited Subscription for the eText and WebAssign was included in your course fees. Registration instructions are posted in our iCampus/Canvas site. A graphing calculator is required; TI-83+ or TI-84+ graphing calculator is recommended.

Students need to register through JJC in the spring before taking this course in the Fall. Students can find all information regarding registration on the Joliet Junior College site: [Register for Courses | Joliet Junior College](#)

Lewis University Early College Program

Lewis is proud to partner with area high schools to offer qualified students a chance to earn college credit while exploring potential career options. Studies have shown that students who accumulate college credit while earning a high school diploma may be more likely to complete college on time, and at a lower cost. Participating students will get an early transition to college with academic courses and faculty support focused on student success.

Students will attend class on the Lewis University campus several times throughout the semester with additional time required to complete some outside work as part of the course.

The days for in-person attendance may require students to miss a portion of their regularly scheduled school day. High school teachers will be aware of the student's involvement and will work with the students to cover missed material when attending Lewis, but students will be responsible for any work missed while attending class at Lewis. The cost of the coursework is \$300. In addition to earning college credit, students will establish a college-level GPA and build first-hand experience in college-level learning.

Please see the course offerings and enrollment process information below:
[EarlyCollege flyer 2026-27Plainfield](#)

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