Joliet Township High School
Course Offering Guide

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Joliet Township High School

District 204

2025-2026

Board of Education

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Dr. Sharon Alexandar	Director of Curriculum (English)	815-727-6985
Christopher McGuffey	Director of Curriculum (Career & Technical Ed & Fine Arts)	815-774-1655
Nicole McMorris	Director of Curriculum (Mathematics)	815-774-1611
Patrick O'Neill	Director of Curriculum (Science & Applied Life)	815-727-1073
Paul Oswald	Director of Curriculum (Social Science & World Lang.)	815-727-6806
Edgar Palacios	Director of Multilingual Services	815-727-6842

Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973

Joliet Township High School District 204 follows the provisions of ADA and Section 504 of the Rehabilitation Act of 1973 that prohibits discrimination on the basis of an individual's disability and offers to persons with a disability the opportunity to participate fully in all educational programs and activities. The ADA and Section 504 Coordinator is Mrs. Dianne McDonald, Assistant Superintendent for Educational Services.

Joliet Township High School District 204 ensures equal educational opportunities are offered to students, regardless of race, color, national origin, age, gender, religion, disability, veteran's status, or marital status.

GRADUATION REQUIREMENTS *(Board Policy 6:300)*

The minimum requirements for graduation are 22.0 credits as follows:

_____	English (Taken sequentially)	4 years
_____	Math (Must include a minimum of Algebra 1, Geometry, and Advanced Algebra)	3 years
_____	Science (At least one credit must be in Biology)	2 years
_____	Social Science (Credits must be in Pre-AP World History, or AP Human Geography, U.S. History, and American Government)	2.5 years
_____	Health	1 semester
_____	Art/Career & Technical Education/Music/World Language (In any combination. Proficiency in American Sign Language shall be considered an alternative to a world language)	1 year
_____	Physical Education (Enrollment in Physical Education or ROTC each semester in school except the semester of Health and the semester of Driver Education unless exempt under other Board policies.)	
_____	Consumer Education (Illinois Consumer Education Requirement can be met by taking Economics, Consumer Economics, or any Cooperative Education course [2nd Semester] excluding Cosmetology).	
_____	All students must successfully pass American Government.	
_____	All students must take the mandated state assessments unless the student is exempt according to 105 ILCS 5/2-3.64.	
_____	All students must have 40 CREDITS of Community Service (Transfer students need 5 CREDITS for each semester they are in attendance)	
_____	Beginning with the 2020-2021 school year, filing one of the following: (1) a Free Application for Federal Student Aid (FAFSA) with the U.S. Dept. of Education, (2) an application for State financial aid, or (3) an Ill. State Board of Education (ISBE) waiver form indicating that the student understands what these aid opportunities are and has chosen not to file an application. If the student is not at least 18 years of age or legally emancipated, the student's parent/guardian must file one of these documents on the student's behalf. A student is exempt from this requirement if: (1) the student is unable to file a financial aid application or an ISBE waiver due to extenuating circumstances, (2) the Building Principal attests the District made a good faith effort to assist the student or the student's parent/guardian with filing a financial aid application or an ISBE waiver form, and (3) the student has met all other graduation requirements.	

Graduation requirements are subject to change due to Illinois School Code and/or JTHS Board policy.
*Beginning with the Class of 2027, Pre-AP World History/Geography replaces World Affairs.

COLLEGE ENTRANCE REQUIREMENTS

Students planning to enter a four-year university or who plan to enroll in a community college transfer degree program should complete the following recommended course of study:

English	4 Years
Math (including Algebra, Geometry, Advanced Math)	4 Years
Science (must be Laboratory Sciences)	3 Years
Social Science	3 Years

Each college has its own entrance requirements, and it is essential that parents and students carefully review the specific requirements for admission to the colleges being considered.

GRADING

Grade Point Average (GPA) *(Board Policy 6:330)*

Courses are designated as either weighted or unweighted. A weighted grade system is used at JTHS to compute Grade Point Average (GPA). Weighted grades take into account both student achievement and course difficulty. A grade weight is given to each course based upon its relative difficulty.

The following two-tiered weighting system will be used to compute Grade Point Average (GPA).

Unweighted Courses		Weighted Courses	
A	4	A	5
B	3	B	4
C	2	C	3
D	1	D	2
F	0	F	0

Grades are assigned numeric equivalents as follows:

A = 4 points B = 3 points C = 2 points D = 1 point F = 0 points

The grading system used for progress and semester reports is as follows for all students:

100	-	90	=	A	F = 59 and Below
89	-	80	=	B	I = Incomplete
79	-	70	=	C	WP = Withdrawal Passing
69	-	60	=	D	

Students receiving an "I" have two (2) weeks in which to complete the work. It is the student's responsibility to contact the teacher with regard to completion of course requirements. If the requirements are not completed within two weeks, the grade becomes an automatic "F".

Students withdrawing from a class AFTER the first nine weeks of a semester, will receive a "WP" if passing the class at the time of withdrawing and an "F" if failing at the time of withdrawal. Student permanent records reflect semester grades only.

Academic Recognition *(Board Policy 6:280)*

JTHS has adopted a system of Cum Laude recognition based on the following GPA.:

3.5 to 3.74 = Cum Laude

3.75 to 3.99 = Magna Cum Laude

4.0 = Summa Cum Laude

Campus Parent Portal

We strongly encourage all parents to monitor progress on a regular basis through the Campus Parent Portal. Campus Parent is accessible over the internet and provides current information regarding students such as assignments, attendance, behavior, documents, grades, schedules and more. Also, links are provided throughout for contacting each student's teachers by email. Alerts can be setup for things like assignment scores, attendance updates and grade updates by choosing "Settings" and then "Notification Settings" from the drop down in the upper right hand corner person icon. Campus Portal is available at https://jolietil.infinitecampus.org/campus/portal/joliet.jsp, use the dropdown "Quick Links" option available in the upper right hand corner of our website at www.jths.org or download the Campus Parent mobile app from the App Store or Google Play. For assistance, please contact the Information Technology Services by emailing centralstudenthelpdesk@jths.org, weststudenthelpdesk@jths.org or by calling 815-727-6860.

COMMUNITY SERVICE EXPERIENCE *(Board Policy 6:300)*

Community service is an act which contributes to the improvement of a community. In order to graduate, all students shall complete 40 HOURS of voluntary (no pay) community service. (Transfer students need 5 HOURS for each semester they are in attendance). Activities completed through a school or not-for-profit organization that benefits a community may be considered for community service credit. This requirement is for the betterment of the student and community. Students are responsible for selecting an appropriate service, contacting the responsible agency, preparing and processing an application form, completing the service, and returning a verification certificate to the school.

The student's counselor will maintain a record of community service as part of the student's file.
Service to the school district is acceptable if the service is completed outside the regular school day.

The service agency is responsible for screening and approving specific applicants. The service agency is also responsible for all supervision and for completing the verification document. The student is expected to conform to all requirements and expectations of the service agency. The service agency can terminate the arrangement at any time with or without cause.

PHYSICAL EDUCATION *(Board Policy 6:310)*

A. Enrollment in Physical Education or ROTC each semester in school except the semester of Health and the semester of Driver Education unless exempt under other Board policies.

B. Students may apply for an approved exemption from Physical Education if they meet one of the following requirements:
    1. Ongoing participation in a marching band program for credit;
    2. Enrollment in Reserve Officer's Training Corps (ROTC) program sponsored by the District;
    3. Ongoing participation in an interscholastic or extracurricular athletic program;
    4. Enrollment in academic classes that are required for admission to an institution of higher learning (student must be in the 11th or 12th grade); or
    5. Enrollment in academic classes that are required for graduation from high school, provided that failure to take such classes will result in the student being unable to graduate (student must be in the 11th or 12^{th} grade).

SUMMER SCHOOL

The Joliet Township High School Summer School program begins in June and offers a variety of high school credit courses. Students may enroll in summer school after the start of the second semester of the current school year. Students should see their counselor regarding summer school enrollment. Courses may or may not be offered, depending upon the number of students enrolled. The Summer School program is self-supporting with most courses requiring tuition and fees.

TRANSFER STUDENT INFORMATION

Students' transcripts will be evaluated and converted to the District 204 weighted grade system. The grade weight assigned to a specific course will be changed if the student can provide evidence that a higher-grade weight is warranted.

Transfer students should carefully read the policies regarding the Physical Education/Driver Education/ROTC exclusion options and contact their counselors within ten (10) school days following registration if they wish to apply for either of these options.

NCAA ELIGIBILITY REQUIREMENTS

The National Collegiate Athletic Association regulations regarding college freshman eligibility to receive athletically related financial aid and to participate in athletics at any Division I and II college or university are as follows:

Division I Academic Standards

Division I schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of **full-time enrollment**, you must meet the following requirements:

NCAA DIVISION I

1. Earn 16 NCAA-approved core-course credits in the following areas:

ENGLISH	MATH (Algebra I or higher)	SCIENCE (Including one year of lab, if offered)	EXTRA ENGLISH, MATH OR SCIENCE	SOCIAL SCIENCE	ADDITIONAL Any area listed to the left or world language, comparative religion or philosophy
4 years	3 years	2 years	1 year	2 years	4 years

2. Complete your 16 NCAA-approved core-course credits in eight semesters from your initial start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.
3. Meet the **10/7 requirement** by completing 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of your seventh semester.

Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8

Before the start of your seventh semester, any core course needed to meet the 10/7 requirement can be replaced or repeated for a higher grade. Visit **on.ncaa.com/10/7requirement** to learn more.

After the start of your seventh semester, the Eligibility Center will use the best combination of core courses to meet the 10/7 requirement.

» Students with solely **international** academic credentials (including Canada) are not required to meet the 10/7 requirement.

4. Earn a minimum 2.3 **core-course GPA**.
5. Ask your high school counselor to upload your **final official transcript** with **proof of graduation** to your Eligibility Center account.
6. Receive academic and amateurism certifications from the Eligibility Center.

Example Schedule

How to Plan Your High School Courses to Meet the 16 Core-Course Requirement

4 x 4 = 16

9th GRADE	10th GRADE	11th GRADE	12th GRADE
(1) English	(1) English	(1) English	(1) English
(1) Math	(1) Math	(1) Math	(1) Math
(1) Science	(1) Science	(1) Science	(1) Science
(1) Social science and/or additional	(1) Social science and/or additional	(1) Social science and/or additional	(1) Social science and/or additional
4 CORE COURSES	4 CORE COURSES	4 CORE COURSES	4 CORE COURSES

Division II Academic Standards

Division II schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of **full-time enrollment**, you must meet the following requirements:

DIVISION II

MAKE IT YOURS.

1. Earn 16 NCAA-approved core-course credits in the following areas:

ENGLISH	MATH (Algebra I or higher)	SCIENCE (Including one year of lab, if offered)	EXTRA ENGLISH, MATH OR SCIENCE	SOCIAL SCIENCE	ADDITIONAL Any area listed to the left or world language, comparative religion or philosophy
3 years	2 years	2 years	3 years	2 years	4 years

2. Earn a minimum 2.2 **core-course GPA**.
3. Ask your high school counselor to upload your **final official transcript** with **proof of graduation** to your Eligibility Center account.
4. Receive academic and amateurism certifications from the Eligibility Center.

What If I Don't Meet Division II Standards?

If you have not met all the Division II academic standards, you may not compete in your first year of **full-time enrollment** at a Division II school. However, you will be deemed a partial qualifier. All Division II partial qualifiers may practice and receive an athletics scholarship but may NOT compete during their first year of full-time enrollment.

Division II Worksheet

Use the **Division II Worksheet** to assist you in monitoring your progress in meeting NCAA initial-eligibility standards. The Eligibility Center will determine your academic status after you graduate. Remember to check **your high school's list** of NCAA-approved core courses for the courses you have taken or plan to take.

ACADEMIC CERTIFICATION DECISIONS

Academic certifications are required for all college-bound student-athletes planning to compete at an NCAA Division II school. If you're being recruited by a Division II school, below are the most common decisions you may receive once a certification has been completed.

EARLY ACADEMIC QUALIFIER

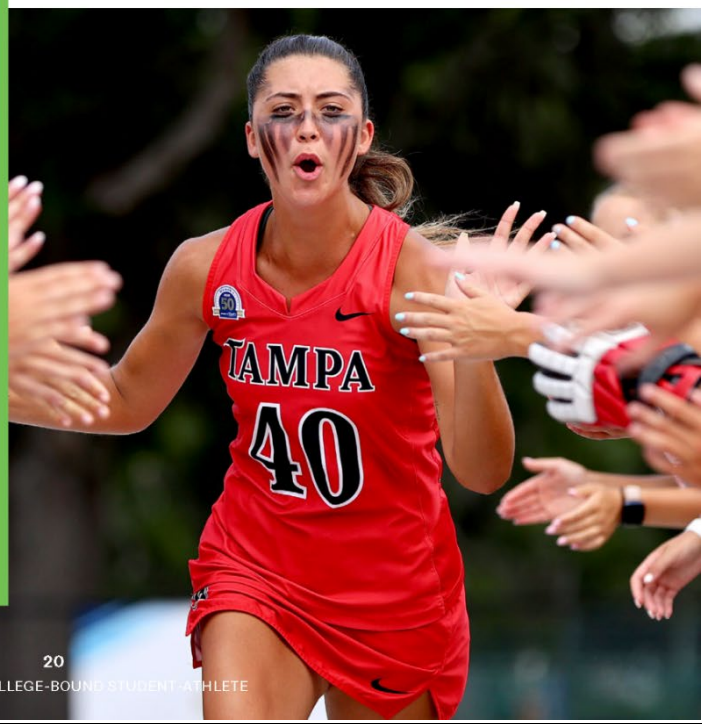
If you meet **specific criteria** after six semesters of high school, you may be deemed an early academic qualifier for Division II and may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

QUALIFIER

You may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

PARTIAL QUALIFIER

You may practice and receive an athletics scholarship but may NOT compete during your first year of full-time enrollment.



For further NCAA information please see your counselor.

DUAL CREDIT COURSES

Students who meet dual credit requirements are eligible to enroll in the courses listed below to earn both high school and college credit.

	Grade Eligibility	Fee	Free & Reduced Waiver Eligibility?
Joliet Junior College	9, 10, 11, 12	$12 per Credit	Yes
College of DuPage	11, 12	No Fee	-
Lewis University	11, 12	$35 per credit	No
University of St. Francis	11, 12	$50 per course	Yes

JTHS Course	*College Course Name*	*Credits*
Applied Life		
KIN 200 Introduction to Personal Training	**JJC KIN 200** Introduction to Personal Training	3 JJC, 0.5 JTHS
KIN 207 First Aid	**JJC KIN 207** First Aid	2 JJC, 0.5 JTHS
Business Education		
Accounting	**JJC ACCY 100** Introduction to Accounting	3 JJC, 1 JTHS
Exploring Entrepreneurship	**JJC BUS 110** Principles of Customer Service	3 JJC, 1 JTHS
Marketing	**JJC MKTG 101** Principles of Marketing	3 JJC, 1 JTHS
English		
Rhetoric 101	**JJC ENG 101** Rhetoric I	3 JJC, 0.5 JTHS
Rhetoric 102	**JJC ENG 102** Rhetoric II	3 JJC, 0.5 JTHS
Family and Consumer Science		
Consumer Economics	**JJC FIN 100** Personal Finance	3 JJC, 1 JTHS
Culinary Arts 1	**JJC CA 106** Applied Food Service Sanitation	3 JJC, 1 JTHS
Early Childhood Education	**LEW ECED 21000** Intro to Early Childhood Education	3 LEW, 1 JTHS
Exploring the Teaching Profession	**USF EDUC 107** Exploring the Teaching Profession	3 USF, 1 JTHS
Teaching in a Diverse Environment	**USF EDUC 210** Teaching in a Diverse Society	3 USF, 1 JTHS
Technology for Teaching & Learning	**USF EDUC 225** Technology for Teaching and Learning	2 USF, 1 JTHS
Fashion Construction	**COD FASHI 1200** Beginning Clothing Construction	3 COD, 1 JTHS
Industrial Technology		
Vocational Auto Mechanic 1	**JJC AS 106** Auto Fundamentals	3 JJC, 2.0 JTHS
Engineering & Architecture 1	**JJC CADD 101** 2-D Drafting	3 JJC, 1 JTHS
Math		
Honors Pre-Calculus/Trigonometry	**JJC MATH 142** Accelerated Trigonometry/Pre-Calculus	3 JJC, 1 JTHS
AP Calculus AB	**JJC MATH 170** Calculus/Analytic Geometry I	5 JJC, 1 JTHS
Science		
Biology 151	**JJC BIO 151** General Biology I	5 JJC, 1 JTHS
Biology 152	**JJC BIO 152** General Biology II	5 JJC, 1 JTHS
Chemistry I	**JJC CHEM 101** General Chemistry I	5 JJC, 1 JTHS
Chemistry II	**JJC CHEM** 102 General Chemistry II	5 JJC, 1 JTHS

DUAL ENROLLMENT PROGRAMS

Students who meet enrollment program requirements are eligible to apply for the following programs listed below to earn both high school and college credit.

Advanced Integrated Maintenance (AIM)		
JJC EEAS 111 Industrial Controls 1	4 JJC Credits	
JJC IMT 101 Industrial Maintenance Fundamentals	3 JJC Credits	2.0 JTHS Graduation Credits
JJC EEAS 101 Basic Wiring & Circuit Design	4 JJC Credits	
JJC IMT 121 Industrial Fluid Power	3 JJC Credits	
Architecture, Construction Management, and Engineering (ACE)		
JJC CM 100 Introduction to Construction Management	2 JJC Credits	
JJC AEC 106 Blueprint Reading for Construction & Architecture	3 JJC Credits	
JJC ARCH 100 Introduction to the Architecture Profession	2 JJC Credits	2.0 JTHS Graduation Credits
JJC SET 100 Introduction to Sustainability	2 JJC Credits	
JJC EGR 105 Introduction to Engineering	2 JJC Credits	
JJC OPS 111 OSHA Construction Safety	1 JJC Credits	
Law Enforcement		
JJC EMS 100 Introduction to Public Safety Careers	2 JJC Credits	
JJC LENF 101 Intro to Law Enforcement	3 JJC Credits	2.0 JTHS Graduation Credits
JJC EMS 101 First Responder	4 JJC Credits	
Fire Science		
JJC EMS 100 Introduction to Public Safety Careers	2 JJC Credits	
JJC FSCI 101 Principles of Emergency Services	3 JJC Credits	2.0 JTHS Graduation Credits
JJC EMS 101 First Responder	4 JJC Credits	
CNA		
JJC NA 101 Certified Nursing Assistant Training	6 JJC Credits	2.0 JTHS Graduation Credits

SCHEDULING INFORMATION

Process

1. Students will receive registration materials during the first semester so that parents will have the opportunity to discuss with their students the career options and course selections. Parents are encouraged to discuss course plans with students and select preliminary course requests.
2. Each student will meet with the counselor to complete scheduling. Students and parents can view finalized course requests using the online portal through Infinite Campus.
3. Any questions regarding the course selections should be addressed to the counselor.
4. All requests for schedule changes must be received by the designated deadline.

Schedule Change Requests

Because the registration process for the next school year begins early in the school year, ample time is allowed for careful planning by counselors, parents and students. Parents will have an adequate amount of time to review the student's course requests. Once the deadline for changes in course requests has passed, students are permitted to make changes to requests or schedules only when the changes fall within the established guidelines listed below:

1. A change due to summer school attendance.
2. A change due to a failure in the prerequisite for the course a student has requested.
3. A change due to an unresolved scheduling conflict.
4. A change related to health problems. A written statement from the student's physician is required.
5. A change made to correct a scheduling error made by the school staff.
6. Level changes are only made for the next academic school year and require a recommendation from the current core content teacher. Level change documents must be signed by the core content teacher and the appropriate District Curriculum Director before they are submitted to the counselor for consideration.

Failures

Students who fail a course may only repeat a course one additional time during the regular school day.

Options for recovering credit include:

1. Winter and Spring Credit Recovery
2. Summer School - highly recommended due to the consistency with JTHS curriculum
3. Correspondence Course - credit limit of two (2) per School Board Policy 6:310
4. JTHS Gateway to Graduation Program 1.0 - if available
5. Golden Grads

DRIVER EDUCATION

GRADES 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will receive instruction in the safe operation of motor vehicles, rules of the road, and the laws of the State relating to motor vehicles. The course meets the legal requirements of the State in preparing students to become safe and efficient users of the highway transportation system.

Driver Education is taught in three phases:

1. Classroom Instruction (30) CREDITS;
2. Simulation; and
3. Behind the Wheel Driving (6 CREDITS)

Students who receive a grade of "B" or better in all phases of the course may be eligible to take the State of Illinois Driver's Licensing Test with their Driver Education instructor. Parents are responsible for a minimum of 50 CREDITS of supervised driving (of which 10 CREDITS must be night driving) with their son/daughter and to record this on a document to be turned in when the student obtains his/her license. To successfully complete the course, students must attend all course CREDITS.

REMARKS: Driver Education is available at the junior and senior level during the regular school year. The older students will be assigned to first semester classes. However, students may be eligible to enroll in After School or Summer School Driver Education if age 15 years is attained and they have passed eight high school courses during the previous two semesters. Those who choose After School or Summer School Driver Education will be placed in Physical Education.

ATHLETIC PERFORMANCE

GRADES 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: Recommendation by varsity coach or physical education administrator.

Students will focus on the functional training of the whole athlete in an environment that is conducive to fostering high expectations. Athletes will train specifically to enhance their individual athletic performance. The student will enhance the skill related fitness components include efficiency of movement, speed, agility, muscular strength, muscular endurance, coordination, balance, flexibility, core strength and power. Additional topics may include nutrition for the athlete and sport psychology.

REMARKS: By recommendation only.

CONDITIONING

GRADES 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will improve and maintain personal fitness levels through aerobic conditioning and strength training. The philosophy of the class is lifetime fitness and will be achieved through various activities such as: kickboxing, plyometrics, and yoga.

HEALTH

GRADE 10
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will explore the fundamental elements of personal wellness, mental health, reproductive health, drug education, and nutrition. In partnership with English 1, there will be an emphasis on literacy by effectively reading, writing, listening, and speaking. Students will investigate healthy lifestyles through the utilization of a variety of mediums to assist learning and to produce writing and multimedia presentations for a variety of purposes and audiences.

REMARKS: Students will be enrolled in Health in lieu of one semester of Physical Education. This course is offered in a blended option.

KIN 200 INTRODUCTION TO PERSONAL TRAINING

GRADES 11, 12
1 SEMESTER
.5 JTHS CREDIT
3 JJC CREDITS

Prerequisites: KIN 207 First Aid.

Students will be exposed to the basics within the field of Personal Training, including health and fitness assessments, goal setting, and program design. The major components of fitness are covered and include cardiorespiratory capacity, muscular fitness, flexibility, and body composition along with nutrition, healthy body weight, and the importance of each in preventing hypo-kinetic disease.

REMARKS: Students enrolled in this course have a dual credit option to receive college credit from Joliet Junior College.

KIN 207 FIRST AID

GRADES 11, 12
1 SEMESTER
.5 JTHS CREDIT
2 JJC CREDITS

Prerequisites: Three years of Physical Education (includes Driver Education and Health).

Students will study the prevention, recognition, and care of both acute and chronic injuries common to participants of physical activity/fitness and athletics. Specific topics to be addressed include prevention techniques, the classification and staging of injury conditions, basic evaluation techniques, as well as emergency management and follow-up care procedures.

REMARKS: Students enrolled in this course have a dual credit option to receive college credit from Joliet Junior College.

PEER TRAINERS (CENTRAL CAMPUS ONLY)

GRADES 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will work on a ratio of 1:1 with the AVAC., Physically Handicapped, and/or Visually Impaired students as peer trainers. The peer trainer will identify the unique needs of his/ her partner and interpret the physical adaptations necessary in providing assistance. The peer trainer will perform a variety of team, individual, recreational, team building, and fitness activities.

PHYSICAL EDUCATION 1

GRADE 9
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will identify and demonstrate the fundamental elements of team, individual, rhythmic, and team building activities. They will improve and/or maintain desirable health-related fitness through program participation and personal assessment.

PHYSICAL EDUCATION 2

GRADE 10
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will participate and demonstrate proficiency in various individual and team activities. They will identify the characteristics of fitness, explain why those characteristics are important, and demonstrate techniques for increasing and maintaining fitness.

REMARKS: Freshmen are required to take one semester of Physical Education and one semester of Health.

PHYSICAL EDUCATION 3, 4

GRADES 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will choose from a variety of activities based on their personal interests. Program emphasis offers opportunities in recreational and lifetime activities to solidify student's appreciation and interest in relationship to physical wellness.

PE 3/4 Competitive Education: Students enrolled in this course will have the opportunity to participate in competitive, sports-focused activities that harness individual effort and ability to reach maximum physical and mental fitness potential. Students will choose from a variety of activities based on their personal interests. Individual and team activities will be used as a means to promote lifelong physical and mental health habits, enhance adaptability, build sportsmanship, and increase overall physical fitness.

PE 3/4 Recreational Education: Students enrolled in this course will have the opportunity to participate in a variety of activities that promote gamesmanship and overall physical fitness absent the pressures of more competitive sports. Students will choose from a variety of activities based on their personal interests. Individual and team activities will be used as a means to provide increased knowledge of the various opportunities and benefits of recreational activity and lifelong physical and mental fitness.

PE 3/4 Dance Education: Students enrolled in this course will learn basic dance skills, terminology, and principles of choreography. Students will be exposed to various forms of dance and the various elements of dancing as it relates to overall physical fitness. In addition to dance skills and the principles of dance, students will be exposed to various heritages and how dance expresses the beliefs and values of these cultures as well as promoting healthy living. Students will be exposed to traditional and non-traditional dance forms, enhancing endurance; muscular strength; movement; flexibility; and coordination, while having choice and a voice in exploring the relationship between dance and fitness.

PE 3/4 Adventure Education: Students enrolled in this course will have the opportunity to increase their knowledge and improve their physical skills through a variety of indoor and outdoor, daily fitness routines and unit activities aimed at improving overall physical fitness. This course will challenge participants to trust peers in unique settings using communication as a means to cooperate effectively through experiential learning, gaining life-long skills and information that will enhance overall physical fitness.

PHYSICAL EDUCATION LEADERSHIP TRAINING

GRADES 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: Successful completion of PE 1 and approval of Physical Education teacher.

Students will demonstrate leadership qualities and an understanding of the methods and strategies necessary to assist in the classroom setting. Successful completion of the course may allow the student to become a PE Leader in subsequent semesters.

PHYSICAL EDUCATION LEADERSHIP (PE LEADER)

GRADES 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: Physical Education Leadership Training class and recommendation by the PE Leadership instructor.

Students will be placed in a regular PE class as a PE Leader. Duties may include assisting teacher with equipment set up and take down, officiating, demonstrations, and other responsibilities deemed by the instructor.

REMARKS: PE Leaders will be evaluated each semester.

STRENGTH TRAINING

GRADES 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will maintain and/or improve current strength levels. An emphasis is placed on techniques and use of free weights. They will devise, implement, and monitor a work-out plan based on their individual needs.

WALKING FOR WELLNESS

GRADES 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will engage in daily walking routines, both indoors and outdoors, while learning about the importance of physical fitness, mental well-being, and overall wellness. The course will also include lessons on stress management, mindfulness techniques, and the benefits of regular physical activity. This class is ideal for students who prefer a non-competitive, supportive environment where they can focus on their personal health goals. "Walking and Wellness" aims to empower students with the tools and knowledge to maintain a healthy lifestyle beyond the classroom.

RESERVE OFFICER TRAINING CORPS (ROTC)

The purpose of Junior ROTC is to "motivate young people to be better citizens" and is therefore open to all students. Students may enroll in Junior ROTC in lieu of Physical Education or may enroll in both Junior ROTC and Physical Education. Enrollment in Junior ROTC does not in any way obligate students to enlist in the Armed Services.

The Junior ROTC curriculum consists of seven units:

1. Citizenship in action;
2. Leadership theory and application;
3. Foundations for Success;
4. Wellness, fitness, and first aid;
5. Geography, map reading, and environmental awareness;
6. Citizenship in American history and government; and
7. Civilian air rifle marksmanship and safety program. In addition, students create individual portfolios which are updated every semester of J.ROTC

Extracurricular activities include color guard, honor guard, drill team, air rifle team, and raider team. All military uniforms and course books are provided by the Junior ROTC department at no cost to the student.

Students who satisfactorily complete all four years of Junior ROTC will be provided a Military Training Certificate signed by the Senior Army Instructor. This certificate serves as a basis for advance class placement in the Senior ROTC program at the university/college level. If the student chooses to enlist in the U.S. Army, the certificate authorizes early promotion to the rank of Private First Class (E-3).

ROTC 1

GRADE 9
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will develop leadership skills by examining the following:

1. Foundations of Army J.ROTC organization;
2. Military custom and courtesies;
3. Leadership techniques and skills;
4. Knowing yourself;
5. Study and communication skills;
6. Conflict resolution;
7. Financial planning;
8. Cadet challenge;
9. Drill and ceremony;
10. Air rifle marksmanship and safety; and
11. Community service projects.

ROTC 2

GRADE 10
2 SEMESTERS
1 CREDIT

Prerequisites: ROTC 1.

Students will develop leadership skills by examining the following:

1. Healthy lifestyle and drug awareness;
2. First aid skills
3. Map skills;
4. Citizenship in American history and government;
5. Cadet challenge;
6. Drill and ceremony;
7. Air rifle marksmanship and safety; and
8. Community service projects.

ROTC 3, 4

GRADES 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: ROTC 1 & 2.

Students will hone their leadership skills by practicing the following:

1. Leadership strategies;
2. Presentation skills;
3. Managing conflicts;
4. Career planning;
5. Critical thinking and decision-making skills;
6. Financial planning;
7. Cadet challenge;
8. Drill and ceremony;
9. Air rifle marksmanship and safety; and
10. Community service projects.

BUSINESS EDUCATION

ACCOUNTING

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will develop the fundamental skills required for business records management. Instruction includes organizing, summarizing, and analyzing financial records, budget preparation, and financial reporting. Students are introduced to

computerized accounting, and accounting careers are explored. This course provides a foundation on which to continue studying business and accounting at the college level.

REMARKS: Freshmen who have completed Orientation to Business may enroll. Students enrolled in this course may have a dual credit option to receive college credit from Joliet Junior College.

AMPED ON ALGEBRA

GRADE 9
2 SEMESTERS
1 ALGEBRA CREDIT
1 CTE CREDIT

Prerequisites: On track for Algebra 1.

AMPED, Algebra I in Manufacturing Processes, Entrepreneurship and Design (AMPED) is an Algebra I course taught using project-based learning. AMPED contextualizes manufacturing processes and business standards using principles of Algebra I, through teaching quadratics and the law of diminishing returns. Learners using AMPED curriculum will operate a business running a fabrication lab customizing textiles and manufacturing wood, metal, and/or plastic goods. The proceeds generated from the business are then utilized to fund the venture and provide philanthropic opportunities for community service, or monetary gifts to local charities. Students learn skill sets in engineering techniques including sublimation, CNC operations, and rapid prototyping. Other areas for student engagement include composite technologies, alternative energies, and automation robotics.

REMARKS: Texas Instrument Graphing Calculator (TI-84 plus or TI-Nspire) is strongly recommended. Student schedules and transcripts for AMPED will show concurrent enrollment in Algebra 1.

ANIMATION

GRADES 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will use Adobe Flash software to develop interactive, animated graphics for games, websites, movies and desktop presentations. They will enhance their animations by drawing or importing graphics and incorporating sounds and text.

REMARKS: Freshmen who have completed Orientation to Business may enroll.

EXPLORING ENTREPRENEURSHIP

GRADES 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will be introduced to entrepreneurship, identifying characteristics of the entrepreneur, and evaluating business and product opportunities. They will also engage in customer discovery, design thinking, feasibility, financing, and

planning for success. This course is ideal for students who have an interest in owning and/or operating their own business and will provide students with a framework to apply their interests to the world of business.

REMARKS: Students enrolled in this course may have a dual credit option to receive college credit from Joliet Junior College.

GAME DESIGN

GRADES 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Successful completion of Animation and Video Editing.

The Game Design course teaches the fundamentals of designing a game using the most widely accessed and preferred editing engine in the world. The intent of this course is to prepare high school students with the industry related skills needed for the workplace and higher learning environments. By the end of this course, they will understand the design planning process, be knowledgeable of industry related careers, and be able to navigate the Unity environment in order to create 3D games.

GRAPHIC DESIGN

GRADES 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: Successful completion of Animation and Video Editing.

Students will use Adobe Illustrator, InDesign, and Photoshop software to draw, paint, and lay out pages while creating enhanced, eye catching, professional designs and documents. They will manipulate photographs while using color printers, scanners, and digital cameras.

JTHS CEO

GRADES 12
2 SEMESTERS
2 CREDITS

Prerequisites: Students are selected through an application process to the JTHS CEO Board of Directors.

Joliet Township High School – Creating Entrepreneurial Opportunities covers the basics of conceptualizing, starting, and running a small business through project-based experiences. Students will have opportunities for job shadowing and business mentor relationships as the class visits several Joliet area businesses. Students will create business plans as they learn from industry experts and guest speakers. An advisory team will review student presentations of business plans before creating a class business first semester and an individual student business second semester. At the final tradeshow event, students will operate and showcase their individual student business as future Entrepreneurs.

REMARKS: Students will board a bus at the start of Period 2 and will arrive back to campus to begin Period 4b - Class will be held at a different Joliet area business (Host Site) each day - This program meets the 60-Hour Career Development Experience with a professional skills assessment requirement for the Career Pathway Endorsement.

MARKETING

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students who want to own their own business or want a career in marketing or any business field should take this course. Emphasis is placed on the following principles: product planning and design, promotion, pricing strategies, advertising, market research and sales, sponsorships, branding, licensing and naming rights, publicity, and human relations. Students will acquire the skills necessary to create promotional and advertising campaigns for a variety of products and events.

REMARKS: Freshmen who have completed Orientation to Business may enroll. Students enrolled in this course may have a dual credit option to receive college credit from Joliet Junior College.

ORIENTATION TO BUSINESS

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

During the first semester, students will identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

During the second semester, students will survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization.

Introductory Business courses may also expose students to the varied opportunities in secretarial, accounting, management, and related fields.

VIDEO EDITING

GRADES 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will use Adobe Premiere Pro software to create commercials, documentaries, training videos, and short movies. Through the use of digital still cameras and digital video cameras, this process will include scripting, storyboarding, video and audio editing, lighting, and other special effects.

REMARKS: Freshmen who have completed Orientation to Business may enroll.

WEB DESIGN

GRADES 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: Successful completion of Animation and Video Editing.

Students will use Dreamweaver and other advanced software to design, create, and maintain an interactive website. Students will learn how to apply basic design concepts, write HTML code, and create cascading style sheets (CSS). Audio and video clips, hyperlinks, buttons, banners and hit counters will be created. Various digital media will be used, and career opportunities also will be explored.

AP COMPUTER SCIENCE A

GRADES 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: AP Computer Science Principles.

Students will design and implement solutions to problems by writing, running and debugging computer programs. They will use and implement commonly used algorithms and data structures. Students will code fluently in an object-oriented paradigm using the programming language Java. They will read and understand a large program consisting of several classes and interacting objects. Students will recognize the ethical and social implications of computer usage. This course will prepare students to be college and career ready in the Information Technology career pathway.

REMARKS: The purpose of this course is to prepare students for the AP Computer Science A test; students are expected to sit for the test in May. This course is designated as a high school mathematics course.

AP COMPUTER SCIENCE PRINCIPLES

GRADES 9, 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will learn various programming languages and create digital artifacts with practical, personal and social intent. This course is recommended for all students interested in a career within the Information Technology pathway. Students will use computing to explore and discover the connections within information; practice using mathematical and logical programming concepts; and explore the building blocks behind the Internet while learning how the Internet functions. Students will have the opportunity to investigate the links between Information Technology and other career pathways such as medicine, engineering, business, human services, and the arts.

REMARKS: The purpose of this course is to prepare students for the AP Computer Science Principles test; students are expected to sit for the test in May. This course is designated as a high school mathematics course.

PRE-AP ENGLISH 1

GRADE 9
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Texts take center stage in the Pre-AP English 1 classroom, inspiring and preparing all students for close, critical reading and analytical writing. This course trains the reader to observe the small details in a text to arrive at a deeper understanding of the whole. It also trains the reader to appreciate authors' sometimes-subtle choices, developing an awareness of how words produce effects and how the conventions of the English language are used for both precision and style. As writers, students focus first on crafting complex sentences, building this foundational skill; they then move on to producing well-organized paragraphs and, as the year progresses, more sophisticated, longer-form analyses.

PRE-AP ENGLISH 1 HONORS

GRADE 9
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Must meet district honors criteria.

Texts take center stage in the Pre-AP English 1 classroom, inspiring and preparing all students for close, critical reading and analytical writing. This course trains the reader to observe the small details in a text to arrive at a deeper understanding of the whole. It also trains the reader to appreciate authors' sometimes-subtle choices, developing an awareness of how words produce effects and how the conventions of the English language are used for both precision and style. As writers, students focus first on crafting complex sentences, building this foundational skill; they then move on to producing well-organized paragraphs and, as the year progresses, more sophisticated, longer-form analyses. At the Honors level, the content is of greater complexity and addressed at an accelerated pace.

PRE-AP ENGLISH 2

GRADE 10
2 SEMESTERS
1 CREDIT

Prerequisites: Pre-AP English 1 or Pre-AP English 1 Honors.

English 2 builds on the foundation of the English 1 course, with an emphasis on the recursive moves that matter in preparing students for the challenges of college-level reading, writing, and discussion. While English 1 introduces the fundamental routines of close observation, critical analysis, and appreciation of author's craft, English 2 requires students to apply those same practices to a new host of nonfiction and literary texts. As readers, students develop a vigilant awareness of how the poet, playwright, novelist, and writer of nonfiction alike can masterfully manipulate language to serve their unique purposes. As writers, students compose more nuanced analytical essays without losing sight of the importance of well-crafted sentences and a sense of cohesion. Each unit of English 2 culminates in a writing

task that reflects the rigor of similar tasks they will eventually encounter on standardized writing exams, in AP English courses, and in college classes.

REMARKS: This course is offered in a blended option.

AP SEMINAR: ENGLISH

GRADE 10
2 SEMESTERS
1 CREDIT

Prerequisites: Pre-AP English 1 and must meet district honors criteria.

This course exposes students to a variety of texts covering multiple genres, topics, and rhetorical contexts in a seminar-style setting. AP Seminar fosters students' ability to summarize and explain the salient ideas in a text by analyzing an author's perspective, rhetorical choices, and argumentative structure. Students evaluate a variety of literary, informational, and visual texts, and synthesize perspectives to develop evidence-based arguments. Students convey their findings through multiple written formats, multimedia presentations, and oral defenses.

ENGLISH 3

GRADE 11
2 SEMESTERS
1 CREDIT

Prerequisites: English 2.

Students will be devoted to the study of American literature that spans from the 1800s through present day. Students will continue to build on writing skills from previous instruction, develop and refine analytical reading skills and enhance necessary communication skills. Throughout this course, students will have a unique opportunity to explore the parallels between American literature and U.S. History.

REMARKS: This course is offered in a blended option.

ENGLISH 3: POWER, PRIVILEGE, AND JUSTICE IN AMERICA

GRADE 11
2 SEMESTERS
1 CREDIT

Prerequisites: English 2.

Students will explore the barriers encountered by those furthest from opportunity due to race, economics, gender, sexual orientation, and any number of social constructs. Through the examination of these systems, students will come to understand the impact that power, privilege, and resistance have had in shaping the course of America, and they will also explore ways to challenge inequitable power structures. Students will continue to build on writing skills from previous instruction, develop and refine analytical reading skills, and enhance necessary communication skills.

AP ENGLISH 3 LANGUAGE AND COMPOSITION

GRADE 11
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: English 2 and must meet district honors criteria.

Students will become skilled readers of prose written in a variety of rhetorical contexts and skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. Therefore, this composition course emphasizes the expository, analytical, and argumentative writing that forms the basis of academic and professional communication, as well as the personal and reflective writing that fosters the development of writing facility in any context. The purpose of this course is to prepare students for the AP Language and Composition test; students are expected to sit for the test in May.

REMARKS: This course is offered in a blended option.

ENGLISH 4: INTRODUCTION TO RHETORIC

GRADE 12
2 SEMESTERS
1 CREDIT

Prerequisites: English 3.

Transitional English courses are college preparatory courses that develop student skills in reading, critical thinking and analysis, and writing to support student success across majors and career pathways while aligning with the Illinois Learning Standards. Transitional English courses address, at minimum, the following domains and competencies: reading (active reading strategies, summarization of a text, analysis and interpretation of texts), writing (identification of and writing processes based on audience, purpose and task, incorporation and documentation of relevant information), and critical thinking and analysis (credibility and reliability of evidence, engagement with evidence, information literacy skills). Additionally, the course emphasizes domains of metacognition and essential skills to develop self-awareness and overall college and career readiness. Upon completion, students should be able to adapt their approaches and strategies as they engage in reading and writing tasks; analyze, evaluate, and synthesize while reading and writing; and demonstrate information literacy skills as an engaged reader and as a contributing writer. The course is delivered through an approach that integrates instruction across the competency domains and organizes the course pedagogy and selected texts around themes, critical issues, or concepts that foster critical thinking, reading, and writing skills.

REMARKS: This course is offered in a blended option.

AP ENGLISH LITERATURE AND COMPOSITION

GRADE 11 & 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: English 3 and must meet district honors criteria.

Students will learn to recognize major movement trends and styles in British, American, and World literature through the study of representative works and from various genres and significant writers. The emphasis in composition is upon analytical and persuasive writing. Students are expected to produce analytical papers through close reading considering structure, style, theme, and literary and rhetorical devices. The purpose of this course is to prepare students for the AP Literature and Composition test; students are expected to sit for the test in May.

REMARKS: This course is offered in a blended option.

RHETORIC 101

GRADE 12
WEIGHTED
1 SEMESTER
.5 JTHS CREDIT
3 JJC CREDITS

Prerequisites: English 3 and meet Joliet Junior College placement criteria.

Students will acquire 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.

REMARKS: This course is offered in a blended option. Students enrolled in this course have a dual credit option to receive college credit from Joliet Junior College.

RHETORIC 102

GRADE 12
WEIGHTED
1 SEMESTER
.5 JTHS CREDIT
3 JJC CREDITS

Prerequisites: English 3 and meet Joliet Junior College placement criteria. Students must receive a grade of “C” or better in Rhetoric 101 in order to enroll in Rhetoric 102 for college credit.

Students will continue their training and practice in composition. Students will develop their writing competencies as they study a variety of genres. A 2,500+ word research paper is required.

REMARKS: This course is offered in a blended option. Students enrolled in this course have a dual credit option to receive college credit from Joliet Junior College.

MULTIMEDIA JOURNALISM & WRITING

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Successful completion of English 1 and/or strong writing skills.

Students will be introduced to the world of multimedia, learn various forms of journalistic writing across the media, print, Web, and broadcast, as well as basic web and hard copy production and editing.

REMARKS: This course is not a substitute for any of the English 1-4 courses required for graduation.

ADVANCED MULTIMEDIA JOURNALISM & PRODUCTION

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Successful completion of Intermediate Multimedia Journalism & Writing (this course can be taken year after year for additional credit).

Students will apply their writing and basic production skills in all forms of media. Students will assume an editor/staff position in which they prove they have skills valuable to the publications/programs produced in this course - Web, newspaper, yearbook. This course will teach more advanced journalism production skills, including publications design, marketing, and sales, reporting and ethics.

REMARKS: This course is not a substitute for any of the English 1-4 courses required for graduation.

ESL 1

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Primarily a course for newcomer students or those students with ACCESS scores in the 'Entering' stage.

Students will develop listening and oral language skills in English, demonstrate basic English oral and written communications skills, construct simple sentences and paragraphs, use basic grammar rules, read and interpret a variety of texts, and develop English vocabulary.

REMARKS: Students may also be enrolled for an additional class period in a special reading laboratory.

ESL 2

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Completion of ESL 1 and/or dependent on the level of second language acquisition. Primarily a course for newcomer students or those students with ACCESS scores in the 'Emerging' stage.

ESL 1 will focus heavily on language acquisition, while ESL 2 will focus on transitional English (literature) skills. The course will include elements of English 1 and English 2 which will be used with the intent to transition into a grade-level co-taught English course for our EL students.

EL LITERACY

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Assessment and/or teacher/counselor recommendation.

Students will use phonics, decoding and work attack skills to understand vocabulary. Students will use context clues and determine literal meanings in text. Students will define and use new vocabulary, read and follow directions, follow oral directions, and develop oral communication skills in English.

REMARKS: Students may be enrolled in either the Newcomer EL Literacy, EL Literacy A, or EL Literacy B section based on assessment scores.

FAMILY AND CONSUMER SCIENCES

APPAREL MERCHANDISING AND DESIGN

GRADES 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Fashion Construction.

Students will have an opportunity to explore fashion from its infancy to well beyond our current decade through the examination of the fashion industry and specific designers. Advanced sewing skills will be acquired and practiced through project and samples. Students will also explore the field of apparel merchandising through business planning, store design and layout, production, cost analysis, and marketing. Additional focus areas include entrepreneurship, textiles, care and cleaning of fabrics, and use of technology in design. Related career fields include fashion designer, fashion historian, costumer, stylist, personal shopper, buyer, entrepreneur, textile designer, customer service representative, textile chemist, visual merchandiser, and interior design.

CHILD DEVELOPMENT

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will examine the physical, social, emotional, and intellectual development of children and apply their learning in a classroom and lab setting. Students will create, develop, and implement lessons, manage daily classroom routines, and apply technology skills that are utilized in the educational environment. These skills are developed and applied through the teaching and observation phase of the lab component of the program.

REMARKS: Freshmen who have completed Orientation to Human and Public Services may enroll.

CONSUMER ECONOMICS

GRADES 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will gain knowledge to become better consumers in our society. Course topics include financial literacy, installment purchasing, managing consumer credit, budgeting, savings, investing, banking, understanding contracts, taxations, insurance, comparative shopping, consumer protection and assistance, and energy conservation. Additionally, students will learn the role of a consumer as a citizen and wage earner, interacting with agriculture, business, labor unions, and government. This course would also be helpful to those students interested in career areas such as resource manager, conservationist, customer relations, financial planner, and consumer advocate.

REMARKS: This course meets the state requirement for Consumer Education. This course is offered in a blended option. Students enrolled in this course may have a dual credit option to receive college credit from Joliet Junior College.

COSMETOLOGY

GRADE 12
2 SEMESTERS
3 CREDITS

Prerequisites: Acceptance into cosmetology school.

Students will participate in a cooperative program between the District and the Illinois Institute of Cosmetology. Students will attend high school for a half day and attend the cosmetology school of their choice that has been approved by the District for the remainder of the day. Students should apply and be accepted at the cosmetology school before registering for the remainder of their classes for the year of attendance. To receive high school credit for participation in this program, students will need to complete the required number of CREDITS necessary for each semester of attendance. They will also need to complete the total number of CREDITS required to qualify for the State licensing examination for cosmetology.

REMARKS: Students are responsible for tuition costs. Students must provide their own transportation to the cosmetology school. Students begin the program in July prior to their senior year.

CULINARY ARTS I

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Food Fundamentals.

Students will study a comprehensive curriculum of culinary and management topics using an industry focused approach. Using pedagogy that supports 21st century learning along with supplements in technology, students will perform lab-based experiences to enhance their learning. This is a Pro Start course certified by the Illinois Restaurant Association

Educational Foundation. Students who successfully complete this course, take the National ProStart Examination test - Level 1, and begin to complete 400 CREDITS of supervised food service employment are eligible for Culinary Arts II and have the opportunity to earn the Pro Start National Certificate of Achievement.

CULINARY ARTS II

GRADES 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Culinary Arts I.

Students will study a comprehensive curriculum of culinary and management topics using an industry focused approach. Using pedagogy that supports 21st century learning along with supplements in technology, students will perform lab-based experiences to enhance their learning. This is a Pro Start course certified by the Illinois Restaurant Association Educational Foundation. Students who complete this course, pass the National ProStart Examination tests, and complete 400 CREDITS of supervised food service employment have the opportunity to earn the Pro Start National Certificate of Achievement.

EARLY CHILDHOOD EDUCATION

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Child Development.

Students will gain the competencies needed for successful employment in a variety of childcare situations at day care centers in the local community. These competencies include verbal and written communications and curriculum development for the children in areas of art, math, music, science, and all areas of, nutrition and safety. Philosophies, organizational patterns, and facilities of a variety of early childhood educational settings will be examined. After successful completion of this course, students will receive Level 1 early childhood education certification. For more information on industry certifications in Occupational Child Care, visit www.inccra.org or www.ilgateways.com

REMARKS: Students enrolled in this course may have a dual credit option to receive college credit from Lewis University.

EXPLORING THE TEACHING PROFESSION

GRADES 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Student will explore the teaching profession as a viable career option. Topics include teacher attributes and dispositions of successful teachers and the structure and purpose of schools.

REMARKS: Students enrolled in this course have a dual credit option to receive college credit from University of St. Francis.

TEACHING IN A DIVERSE ENVIRONMENT

GRADE 12
WEIGHTED
1 SEMESTER
.5 CREDIT

Prerequisites: Exploring the Teaching Profession.

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.

REMARKS: This course is a Dual Credit course with University of Saint Francis EDUC 210 - 20 Hours of Work based Internship hours are embedded in the course - Students must provide reliable transportation to complete the required offsite observations - This course is typically paired with Technology for Teaching and Learning as a second semester course.

TECHNOLOGY FOR TEACHING AND LEARNING

GRADE 12
WEIGHTED
1 SEMESTER
.5 CREDIT

Prerequisites: Exploring the Teaching Profession.

Provides candidates with a strong foundation of the role of technology in the teaching and learning process. Candidates 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.

REMARKS: This course is a Dual Credit course with University of Saint Francis EDUC 225 - 20 Hours of Work based Internship hours are embedded in the course - Students must provide reliable transportation to complete the required offsite observations - This course is typically paired with Teaching in a Diverse Environment as a first semester course.

FASHION CONSTRUCTION

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will have an opportunity to explore their personal style and the many influences that impact the clothing they wear. Students will learn basic sewing equipment use and techniques (hand sewing, machine sewing, basic machine embroidery). These skills will be acquired and practiced through hands-on projects such as pajama pants, “green”

shopping bags, and other sewing projects and samples. Basic clothing care and pattern use are also explored. Students will have an opportunity to explore the elements and principles of design through multiple hands-on projects, including the design of an original fashion line. Students will learn intermediate construction skills which will be applied in multiple sewing projects. They will be able to fully participate in pattern selection and construction.

REMARKS: Freshmen who have completed Orientation to Human and Public Services may enroll.

FOOD FUNDAMENTALS

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will study safety; sanitation; identification and use of equipment; and the preparation methods and standards of food production. Laboratory experiences supplement the class work with experiences in learning proper use of tools and equipment. This course will emphasize the principles of meal planning, preparation, and service. Nutrition and special diets will be included. Career opportunities in the food service industry will be explored. Students will prepare for and take the exam for the industry standard food sanitation certificate.

REMARKS: Freshmen who have completed Orientation to Human and Public Services may enroll. This course is offered in a blended option.

HAIR BRAIDING

GRADES 12
2 SEMESTERS
3 CREDITS

Prerequisites: Acceptance into Fusion Hair Braid Academy.

First Semester introduces students to the field of natural hair care and braiding. Students will learn the impact of historical events on the industry as well as examine current and future trends. Then students will learn safety and infection control methods necessary to advance in the subsequent courses. Basic concepts such as: History of hair braiding, disinfection and sanitation, bacteriology, disorders and diseases of the hair and scalp, personal hygiene, public health, professional ethics, tools and equipment, basic styling knowledge, client consultation and face shapes, growth patterns, braid removal and scalp care, styles and sectioning, and client education, pre-care, post-care, home care and follow up services.

Second Semester will begin with general grooming and styling techniques to perform on clients. Students will use various styling tools and equipment to achieve a client's desired outcome. Then students will learn advanced styling techniques such as the principles of braiding and braid extensions. Concepts such as: single braids with and without extensions, cornrows with and without extensions, twists and knots, multiple strands, hair locking, weaving/sewn-in, other procedures as they relate to hair-braiding; and product knowledge as it related to hair braiding.

REMARKS: Students are responsible for tuition costs. Students must provide their own transportation to the hair braiding school.

INTERIOR DESIGN

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will explore the field of Interior Design through architectural styles, furnishings, interior and exterior building applications, landscape, and living environments. Through classroom and lab experiences, students will design residential and commercial communities. Students will develop skills using applications of elements and principles of design to create aesthetically pleasing living spaces. Students will complete scale drawings and floor plans. Emphasis will be placed on the use of textiles, color, line, and design materials and criteria for selecting and coordinating furnishings. This Course prepares students for careers such as interior designer, production designer, landscape designer, and floral designer.

REMARKS: Freshmen who have completed Orientation to Human and Public Services may enroll.

ORIENTATION TO HUMAN AND PUBLIC SERVICES

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

During the first semester, students will identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

During the second semester, students will be introduced to the field of family and consumer sciences and the many career opportunities available in this broad field. The course includes theory and laboratory experiences in the following content areas: Nutrition and culinary arts; textiles and design; family, career, and community leadership development; resource management; human development and life-long learning; facility design, care, and management; and interpersonal relationships and life management skills.

FINE ARTS

INTRODUCTION TO STUDIO ART

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Introduction to Studio Art introduces students to many different artistic areas in order to discover interests and abilities for further study. Students will learn the primary skills of many visual art processes as well as design and creative strategies, while also having fun experimenting with new materials, exploring the meaning of art and artist's work, and making personal connections to their lives through art. Students explore collaborative artmaking, personal expression, and the idea of building a "portfolio" of their work through a process of documentation and presentation. A variety of artistic media are used to develop artistic concepts, including clay, graphite & colored pencil, acrylic painting, pen & ink, and more. Some of the activities in the course include handmade sketchbooks, expressive self-portraits, hand-built ceramics & narrative artwork. This course enables the student to meet all the State Academic Standards for Visual Arts.

DRAWING AND PAINTING STUDIO

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Introduction to Studio Art recommended, but not required.

Drawing & Painting Studio is a full year course designed to expand on the drawing and painting concepts introduced in Intro to Studio Art, as well as introduce some additional overlapping 2D art-making processes such as printmaking and Mixed media. Students are encouraged to work creatively and to become competent in the use of different materials and basic processes. Emphasis is placed on experiences that involve design principles, drawing techniques and painting skills that will lead to the development of abilities that are necessary for advanced art courses. There is no prerequisite for this course, however Intro to Art &/or a specific interest in learning how to draw & paint is highly recommended. This course enables the student to meet all the State Academic Standards for Visual Arts.

ADVANCED DRAWING AND PAINTING STUDIO

GRADES 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: You must have at least a 'B' average or higher in Drawing & Painting Studio OR teacher recommendation.

Advanced Drawing & Painting Studio is a studio course in which the student has more opportunity to develop a higher level of personal expression, visual aesthetic judgment, and technical skill in 2D media. Students will work to develop a unique artistic voice and style within their artwork. Studio activities are centered around themes & ideas, and students are expected to develop personal solutions using a wide variety of traditional drawing & painting media as well as new more contemporary media that can include anything from digital media to collage. Creative thought and individual artistic expression are developed through the use of sketchbooks, journals, gallery visits, and a variety of creative thinking strategies. Students study and critically respond to significant historical works of art, artists, and art periods in the process of refining their own artistic vision. Students begin to learn to prepare and present their work for group critiques, portfolios, and exhibitions. Advanced Drawing & Painting Studio provides students with the basics, insight, and some actual work that directly connects to the AP Studio Art Course, and more specifically to the 2D & Drawing portfolios. The skills, knowledge, and insight gained in this course will help prepare students for any career and life pursuit. This course enables the student to meet all the State Academic Standards for Visual Arts.

SCULPTURE STUDIO

GRADES 10, 11, 12

2 SEMESTERS
1 CREDIT

Prerequisites: Introduction to Studio Art recommended, but not required.

Sculpture Studio is a full year course designed to provide students with the opportunity to explore methods of artistic expression through studies in pottery and three-dimensional art making. First semester concentrates on pottery work with experiences on the pottery wheel, hand-built ceramic work, and glazing. Students will learn various forming methods such as coil, slab, and pinch. Emphasis will be placed on craftsmanship, proper technique, glazing, and decorating. Second semester is devoted to the creation of sculptures while exploring a variety of media including clay, plaster, metal, wood, glass, and plastic. Within each unit of study, various artists and artistic styles will be covered as well as different sculptural techniques and surface renderings. This course enables the student to meet all the State Academic Standards for Visual Arts.

ADVANCED SCULPTURE STUDIO

GRADES 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Intermediate Art OR you must have at least a 'B' average or higher in Sculpture Studio OR teacher recommendation.

Students will utilize their knowledge of art to identify problems and explore original solutions to produce finished works of art (drawing, painting, printmaking). Students will employ creativity, higher level thinking skills, and insightful responses to visual stimuli. Advanced Sculpture studio is designed for students interested in further pursuing areas of 3-D design in terms of skill proficiency as well as personal expression. This course will allow students to delve deeper into the properties and possibilities of clay and other sculptural materials including wire, plaster, wood, and fabric, among others. Students begin to explore aesthetic preferences in the growth of an artistic style. Studio activities center on development of technical skills in a wide variety of sculptural processes that include mishima, and traditional patina finishes, as well as new more contemporary media that can include installations, textiles, and mixed media. Students study and critically respond to significant historical works of art, artists, and art periods in the process of refining their own artistic vision. Students begin to learn to prepare and present their work for group critiques, portfolios, and exhibitions.

Advanced Sculpture studio provides students with the basics, insight, and some actual work that directly connects to the AP Studio Art course and more specifically to the 3D Portfolio. The skills, knowledge, and insight gained in this course will help prepare students for any career and life pursuit. This course enables the student to meet all the State Academic Standards for Visual Arts.

AP STUDIO ART I

GRADES 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: You must have earned an 'A' in a previous full year of either Advanced Drawing & Painting Studio or Advanced Sculpture Studio OR teacher recommendation, along with 4-6 recent artworks submitted to the AP Studio Art teacher.

Advanced Placement (AP) Studio Art is designed to meet the demands of the AP Studio Art Syllabus published by The College Board. Some work developed during the previous year may also bridge into the AP portfolio. Near the end of the course, students will be prepared with a completed portfolio of work that meets the criteria of AP Studio Art for the Drawing Portfolio and/or 2D Design Portfolio, and/or 3D Design Portfolio. In the DRAWING Portfolio, drawing (analog & digital), painting, printmaking, and mixed-media work are among the possibilities for submission. In the 2D Portfolio, Graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting, and printmaking are among the possibilities for submission. Finally, in the Sculpture portfolio, figurative or non-figurative sculpture, architectural models, metal work, ceramics, glasswork, installation, performance, assemblage, and 3-D fabric/fiber arts are among the possibilities for submission. Students will work with a variety of media, as well as personally selected media while preparing to complete a sequential portfolio of artwork. Typically, the work developed for AP Studio Art portfolios will also double as college-entry portfolio application requirements. Students express their ideas and understanding of their artwork in a written commentary that accompanies their body of work. Scheduled critique sessions provide guidance and an opportunity to clarify and express ideas. Art journals or sketchbooks will be used on a regular basis for the development of a personal artistic vision. Students will be challenged to use independent thinking skills in the development of concepts in which they have a compelling interest. Students enrolled in this course are not required to take the AP exam, but it is recommended and encouraged. Transfer of passing scores on the AP Studio Art exam as college credit depends upon the institutions that students plan to attend. Students are advised to contact the specific colleges or universities in which they are interested in for their policies on accepting AP credit. This course enables the student to meet all the State Academic Standards for Visual Arts.

AP STUDIO ART II

GRADES 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: You must be currently enrolled in or previously completed AP Studio I, including a submitted portfolio OR previous AP teacher recommendation.

Advanced Placement (AP) Studio Art II is designed to meet the demands of the student that wishes to submit a second portfolio to The College Board. Students will create an entirely new portfolio of work that meets the criteria of AP Studio Art for the Drawing Portfolio and/or 2D Design Portfolio, and/or 3D Design Portfolio. *Please refer to the course description for AP Studio Art 1 for specific details about the course. Students enrolled in this course are not required to take the AP exam, but it is recommended and encouraged. Transfer of passing scores on the AP Studio Art exam as college credit depends upon the institutions that students plan to attend. Students are advised to contact the specific colleges or universities in which they are interested in for their policies on accepting AP credit. This course enables the student to meet all the State Academic Standards for Visual Arts.

AP STUDIO ART III

GRADES 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: You must be currently enrolled in or previously completed AP Studio II, including a submitted portfolio OR previous AP teacher recommendation.

Advanced Placement (AP) Studio Art III is designed to meet the demands of the student that wishes to submit a second portfolio to The College Board. Students will create an entirely new portfolio of work that meets the criteria of AP Studio

Art for the Drawing Portfolio and/or 2D Design Portfolio, and/or 3D Design Portfolio. *Please refer to the course description for AP Studio Art 1 for specific details about the course. Students enrolled in this course are not required to take the AP exam, but it is recommended and encouraged. Transfer of passing scores on the AP Studio Art exam as college credit depends upon the institutions that students plan to attend. Students are advised to contact the specific colleges or universities in which they are interested in for their policies on accepting AP credit. This course enables the student to meet all the State Academic Standards for Visual Arts.

DRAMA 1

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will study acting, dramatic production, and the history of drama. Students will read plays, act, direct and produce. Students will receive training in voice techniques, bodily action, and dramatic techniques.

REMARKS: This course is not a substitute for any of the English 1-4 courses required for graduation.

DRAMA 2

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Drama 1.

Students will use knowledge and skills acquired from previous experience to refine their techniques through class projects and play production.

REMARKS: This course is not a substitute for any of the English 1-4 courses required for graduation.

THEATRICAL STUDIES

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Drama 1 or instructor approval.

Students will explore areas of drama such as make-up design and application, movement, voice and diction, set design, and projection/light design. This course will provide students a well-rounded experience in both technical and performance arts as related to the Arts and Communication Academy career pathways.

INTRODUCTION TO BAND

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Band director approval/recommendation; approval by director ensures that the group is properly balanced with instrumentation and that instrument resources are available. Musical experience is not required for participation in this group.

This class offers the band experience at the beginning level. The instruments taught are flute, clarinet, saxophone, trumpet, trombone, tuba and percussion. No experience is necessary – only the will and desire to play an instrument. Musical topics are introduced such as reading, music notation, analyzing and evaluating music, as well as composing and improvising simple melodies. Students will apply their musical knowledge and skills to traditional, classical, contemporary and popular band literature through performance. The course includes concerts, parades, clinics, field trips and pep band. Introduction to Band students would have the opportunity to participate in marching band halftime shows.

CONCERT BAND

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Middle School band experience.

Students will apply their musical knowledge and skills to traditional, classical, contemporary, and popular band literature through performance. The course includes concerts, contests, clinics, field trips, parades, and home football games.

SYMPHONIC WINDS

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Audition and Middle School Band Director's recommendation.

Students will apply intermediate and advanced musical knowledge and skills to advanced high school, college, and professional band literature through performance. The course includes concerts, clinics, field trips, parades, and home football games.

SYMPHONIC BAND

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Audition and Middle School Band Director's recommendation.

Students will apply advanced musical knowledge and skills to advanced high school, college and professional band literature through performance. The course includes concerts, clinics, field trips, parades, and home football games.

JAZZ ENSEMBLE

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Experience on a jazz instrument and an audition.

Students will apply advanced musical skills and knowledge to develop improvisational abilities in order to perform sophisticated jazz literature including swing, bebop, Latin, funk, rock, and contemporary styles. The Jazz Ensemble performs at school functions, community functions, jazz festivals, contests, clinics, concerts, and field trips.

STRING ORCHESTRA

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Middle School Orchestra Experience or Director's recommendation.

Students will apply their musical knowledge and skills to traditional, classical, contemporary, and popular string literature through performance. The course includes performances at Open House, concerts at both West and Central campuses, contests, and field trips. The opportunity also exists to audition for the Symphony Orchestra which meets as a co-curricular ensemble one evening a week.

CHAMBER ORCHESTRA

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Audition.

Students will apply advanced musical knowledge and skills to advanced classical, contemporary, and popular string literature through performance. The course includes mandatory concerts at both West and Central Campuses, along with other various contests, field trips, and bi-annual tours. The opportunity also exits to audition for the Symphony Orchestra which meets as a co-curricular ensemble one evening per week.

MIXED CHORUS

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will experience singing in a large choral group setting with a focus on mixed rather than single gender literature. Throughout this course, students will benefit from proper vocal training in a variety of musical styles including classical, gospel, jazz, pop, and ethnic music. Students will also be a part of at least two concerts per year, as well as field trips, and/or contests, and clinics.

ENSEMBLE

GRADES 9, 10, 11, 12
2 SEMESTERS

1 CREDIT

Prerequisites: None.

Students within this non-audition ensemble with a focus on single gender literature will demonstrate basic proper vocal production and knowledge of various genres including classical, gospel, jazz, pop, and Broadway musicals. Students will perform in at least two concerts a year and participate in field trips. Students will also participate in contests and/or clinics.

CONCERT CHOIR

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Audition.

Students who have a musical background and are looking for a challenging choral experience will progress further in the study of advanced vocal production in this audition-only group. Throughout this course, students will perform more sophisticated repertoire ranging from Baroque up through the 21st Century, including non-classical music, as well as Broadway, and Jazz. Students will also experience clinics, concerts, and/or guest artists as part of the class.

MUSIC APPRECIATION I

GRADES 9, 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will examine, listen to, and evaluate music from the classical music traditions of the past, as well as of today's society. The content of the specific musical style will be described and explained based on the standards of the genre. In addition to analysis, this class will use music as a tool for connection and application of other studies.

MUSIC APPRECIATION II

GRADES 9, 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will examine, listen to, and evaluate music from the jazz and popular music traditions of the past, as well as of today's society. The content of the specific musical style will be described and explained based on the standards of the genre. In addition to analysis, this class will use music as a tool for connection and application of other studies.

AP MUSIC THEORY

GRADES 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Music teacher's recommendation.

Students will apply their musical knowledge in advanced note reading and music theory. Their knowledge will be assessed through analysis and writing skills in a variety of styles. The purpose of this course is to prepare students for the A.P, Music Theory test; students are expected to sit for the test in May.

HEALTH OCCUPATIONS

HEALTH SCIENCE

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will explore careers in the health, medicine, and veterinary fields in this extensive course in the Health Occupations sequence. Students develop skills and knowledge in anatomy and physiology, first aid, and Basic Life Support (BLS) for health care providers. Students will also research the educational requirements and pathways for a variety of health-related careers. Dissection of various animal organs is part of this course; objecting students have the right to refrain from such activities in the course and will be provided an alternative activity.

REMARKS: This course is offered in a blended option.

HEALTH INFORMATION TECHNOLOGY

GRADES 10, 11, 12
1 SEMESTER
.5 credit

Prerequisites: Health Science or PLTW Principles of Biomedical Science.

Students will gain experience with health information management concepts and the connections with the provision of health care. Topics such as the electronic medical record, administrative and clinical applications, and health information management careers will be examined. Students will engage in a medical office simulation with specialized software.

MEDICAL LAW AND ETHICS

GRADES 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: Health Science or PLTW Principles of Biomedical Science with a C or above.

Students will identify personal beliefs, values, and morals related to providing health services. The course will focus on discussions of ethical and legal dilemmas and theories as they relate to healthcare practice. Students will gain an understanding of basic principles of ethics, medical law, and decision-making processes through case review.

PLTW PRINCIPLES OF BIOMEDICAL SCIENCE

GRADES 9, 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Concurrent enrollment in Algebra 1 without support.

Students will explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems. Dissection of various animal organs is part of this course.

PLTW HUMAN BODY SYSTEMS

GRADES 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Completion of Principles of Biomedical Science and Biology.

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Manikin, use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. Dissection of various animal organs is part of this course.

PLTW MEDICAL INTERVENTIONS

GRADES 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: PLTW Human Body Systems.

Students will investigate the variety of interventions involved in the prevention, diagnosis, and treatment of disease as they follow the lives of a fictitious family. The course will explore how to prevent and fight infection, how to screen and evaluate the code in our DNA, how to prevent, diagnose, and treat cancer, and how to prevail when the organs of the body begin to fail.

Students will practice problem solving with structured activities and progress to open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

PLTW BIOMEDICAL INNOVATION

GRADE 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: PTLW Medical Interventions.

Students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences in this capstone class. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community.

MATHEMATICS

ALGEBRA 1

GRADE 9
2 SEMESTERS
1 CREDIT

Prerequisites: Freshmen are placed based on PSAT scores.

Students will focus on and apply the 5 conceptual categories of the common core mathematics standards: numbers and quantity, algebra, functions, geometry and statistics and probability with and without the use of technology. Students will recognize, develop patterns, and problem solve using tables, graphs, and equations including investigation of linear, quadratic and exponential relationships. Students will explore basic Euclidean geometry and investigate statistical analysis.

REMARKS: Texas Instrument Graphing Calculator (TI-84 plus or TI-Nspire) is strongly recommended.

AMPED ON ALGEBRA

GRADE 9
2 SEMESTERS
1 ALGEBRA CREDIT
1 CTE CREDIT

Prerequisites: On track for Algebra 1.

AMPED, Algebra I in Manufacturing Processes, Entrepreneurship and Design (AMPED) is an Algebra I course taught using project-based learning. AMPED contextualizes manufacturing processes and business standards using principles of Algebra I, through teaching quadratics and the law of diminishing returns. Learners using AMPED curriculum will operate a business running a fabrication lab customizing textiles and manufacturing wood, metal, and/or plastic goods. The proceeds generated from the business are then utilized to fund the venture and provide philanthropic opportunities for community service, or monetary gifts to local charities. Students learn skill sets in engineering techniques including sublimation, CNC operations, and rapid prototyping. Other areas for student engagement include composite technologies, alternative energies, and automation robotics.

REMARKS: Texas Instrument Graphing Calculator (TI-84 plus or TI-Nspire) is strongly recommended. Student schedules and transcripts for AMPED will show concurrent enrollment in Algebra 1.

ALGEBRA 1 HONORS

GRADE 9
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Students must meet district honors criteria.

Students will focus on and apply the 5 conceptual categories of the common core mathematics standards: numbers and quantity, algebra, functions, geometry and statistics and probability with and without the use of technology. Students will recognize, develop patterns, and problem solve using tables, graphs, and equations including investigation of linear, quadratic and exponential relationships. Students will explore basic Euclidean geometry and investigate statistical analysis. Students in this course will exercise an intuitive ability to think mathematically and demonstrate strong prerequisite skills throughout the course.

REMARKS: Texas Instrument Graphing Calculator (TI-84 plus or TI-Nspire) is strongly recommended.

GEOMETRY

GRADES 9, 10
2 SEMESTERS
1 CREDIT

Prerequisites: Algebra 1.

Students will focus on and apply the 5 conceptual categories of the common core. The course will have an emphasis on representing, modeling and transforming quadratic functions. In addition, the following topics will be introduced: right triangles and trigonometry, circles, and various relationships between geometric figures. Students' ability to understand statistics and probability will be extended beyond the Algebra 1 course.

REMARKS: Texas Instrument Graphing Calculator (TI-84 plus or TI-Nspire) is strongly recommended.

GEOMETRY IN CONSTRUCTION

GRADES 10
2 SEMESTERS
1 CTE CREDIT
1 MATH CREDIT

Prerequisites: Successful completion of AMPED on Algebra or Algebra 1.

Construction with Geometry is an integrated way to learn Geometry through the application in Construction. The construction concepts within the course are organized to complement the skills and the knowledge learned in geometry lessons. Depending on student need, days are structured with the flexibility to offer full math days, full CTE days, or anything between. On build days, students will work together to create traditional woods projects which could include but

not limited to; furniture, a birdhouse, a doghouse, and a backyard shed. The course will provide students with the opportunity to immediately apply what they are learning in Geometry to their woods projects.

GEOMETRY HONORS

GRADES 9, 10
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Algebra Honors 1

Students will focus on and apply the 5 conceptual categories of the common core. The course will have an emphasis on representing, modeling and transforming quadratic functions. The following topics will be introduced: right triangles and trigonometry, circles, and various relationships between geometric figures. Students' ability to understand statistics and probability will be extended beyond the Algebra 1 Honors course. Students in this course will exercise an intuitive ability to think mathematically and demonstrate prerequisite skills throughout this course.

REMARKS: Texas Instrument Graphing Calculator (TI-84 plus or TI-Nspire) is strongly recommended.

ADVANCED ALGEBRA

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Algebra 1 and Geometry.

Students will focus on and apply the 5 conceptual categories of the common core. The course will have an emphasis on geometric proofs and representing and modeling trigonometry. In addition, the following topics will be introduced: representing and modeling polynomial and rational numbers, logarithms and exponents. Students' ability to understand statistics and probability will be extended beyond the geometry course.

REMARKS: This course is offered in a blended option. Texas Instrument Graphing Calculator (TI-84 plus or TI-Nspire) is strongly recommended.

ADVANCED ALGEBRA HONORS

GRADES 10, 11
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Algebra 1 Honors and Geometry Honors.

Students will focus on and apply the 5 conceptual categories of the common core. The course will have an emphasis on geometric proofs and representing and modeling trigonometry. In addition, the following topics will be introduced: representing and modeling polynomial and rational numbers, logarithms and exponents. Students' ability to understand

statistics and probability will be extended beyond the Geometry Honors course. Students in this course will exercise an intuitive ability to think mathematically and demonstrate prerequisite skills throughout this course.

REMARKS: This course is offered in a blended option. Texas Instrument Graphing Calculator (TI-84 plus or TI-Nspire) is strongly recommended.

AP COMPUTER SCIENCE A

GRADES 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: AP Computer Science Principles.

Students will design and implement solutions to problems by writing, running and debugging computer programs. They will use and implement commonly used algorithms and data structures. Students will code fluently in an object-oriented paradigm using the programming language Java. They will read and understand a large program consisting of several classes and interacting objects. Students will recognize the ethical and social implications of computer usage. This course will prepare students to be college and career ready in the Information Technology career pathway.

REMARKS: The purpose of this course is to prepare students for the AP Computer Science A test; students are expected to sit for the test in May. This course is designated as a high school mathematics course.

AP COMPUTER SCIENCE PRINCIPLES

GRADES 9, 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will learn various programming languages and create digital artifacts with practical, personal and social intent. This course is recommended for all students interested in a career within the Information Technology pathway. Students will use computing to explore and discover the connections within information; practice using mathematical and logical programming concepts; and explore the building blocks behind the Internet while learning how the Internet functions. Students will have the opportunity to investigate the links between Information Technology and other career pathways such as medicine, engineering, business, human services, and the arts.

REMARKS: The purpose of this course is to prepare students for the AP Computer Science Principles test; students are expected to sit for the test in May. This course is designated as a high school mathematics course.

PRE-CALCULUS

GRADES 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Successful completion of Algebra 1, Geometry and Advanced Algebra.

Students will focus on and apply the 5 conceptual categories of the common core. The course will have an emphasis on graphing and analyzing polynomial, step, logarithmic, exponential, rational, and trigonometric functions using transformations of graphs with and without the use of technology. Students will apply trigonometric laws to solve right and oblique triangles, apply fundamental trigonometric functions and graph conic sections. Students' ability to understand statistics and probability will be extended beyond the Advanced Algebra course.

REMARKS: Texas Instrument Graphing Calculator (TI-84 plus or TI-Nspire) is strongly recommended.

PRE-CALCULUS AND TRIGONOMETRY HONORS

GRADES 11, 12
WEIGHTED
2 SEMESTERS
1 JTHS CREDIT
5 JJC CREDITS

Prerequisites: Advanced Algebra Honors; meet Geometry prerequisite and ALEKS placement test score for dual credit in Math 142 at JJC.

Students will graph and analyze polynomial, step, logarithmic, exponential, rational, and trigonometric functions using transformation of graphs with and without the use of technology. They will apply trigonometric laws to solve right and oblique triangles. They will apply fundamental trigonometric identities to verify more complex identities. They will identify graphs of trigonometric functions, determine the components of trigonometric functions, and graph conic sections. They will investigate polar and parametric graphs and conversions. They will perform vector computations and use vectors in application problems.

REMARKS: Texas Instrument Graphing Calculator (TI-84 plus or TI-Nspire) is strongly recommended. Students enrolled in this course may have a dual credit option to receive college credit from Joliet Junior College for Math 142.

PROBABILITY & STATISTICS

GRADES 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Successful completion of Algebra 1 & Geometry and concurrent enrollment in Advanced Algebra.

Students will focus on and apply mathematical reasoning and solving real life problems as they relate to probability and statistics. Topics include fundamental counting principle, combinations and permutations, conditional probability, gaming, insurance, modeling and determining hypotheses. Both a graphing calculator and Microsoft Excel will be used.

REMARKS: Texas Instruments Graphing Calculator (TI-84 plus or TI-Nspire) is strongly recommended. This course is offered in a blended option.

TRANSITION TO COLLEGE MATH

GRADE 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Successful completion of Algebra 1, Geometry and Advanced Algebra.

This course expands on the concepts in elementary algebra, and it is a prerequisite for Joliet Junior College's college algebra. Topics studied include factoring, rational expressions, radicals, quadratics, logs and exponential functions.

AP CALCULUS AB

GRADES 11, 12
WEIGHTED
2 SEMESTERS
1 JTHS CREDIT
5 JJC CREDITS

Prerequisites: Pre-Calculus or Pre-Calculus and Trigonometry Honors; Satisfactory ALEKS placement test score for dual credit in Math 170 at JJC.

Students will use functions represented in a variety of ways: graphical, numerical, analytical, or verbal to solve real-life problems. They will use limits, derivatives, and integrals to solve problems. They will model a written description of a physical situation with a function, a differential equation, or an integral.

REMARKS: Texas Instrument Graphing Calculator (TI-84 plus or TI-Nspire) is strongly recommended. Students enrolled in this course may have a dual credit option to receive college credit from Joliet Junior College for Math 170.

The purpose of this class is to prepare students for the AP Calculus AB test; students are expected to sit for test in May.

AP CALCULUS BC

GRADES 11, 12
WEIGHTED
2 SEMESTERS
1 JTHS CREDIT

Prerequisites: Successful completion of AP Calculus AB/Math 170

This is the second course in the calculus sequence. Students will focus on and apply techniques learned in AP Calculus AB to parametrically defined curves, polar curves, and vector-valued functions; develops additional integration techniques and applications; and introduces the topics of sequences and series.

REMARKS: Texas Instrument Graphing Calculator (TI-84 plus or TI-Nspire) is strongly recommended. Students enrolled in this course may have a dual credit option to receive college credit from Joliet Junior College for Math 171.

The purpose of this class is to prepare students for the AP Calculus BC test; students are expected to sit for test in May.

AP STATISTICS

GRADES 11, 12
WEIGHTED
2 SEMESTERS

1 JTHS CREDIT
4 JJC CREDITS

Prerequisites: Algebra 1, Geometry and Advanced Algebra; Satisfactory ALEKS placement test score for dual credit in Math 128 at JJC.

Students will focus on mathematical reasoning and the solving of real-life problems. Included are frequency distributions, measures of position and variation, basic probability theory, probability distributions and the normal curve, statistical inference, correlation and regression, f-test, and analysis of variance. Both a graphing calculator and statistical software will be used.

REMARKS: Texas Instrument Graphing Calculator (TI-84 plus or TI-Nspire) is strongly recommended. Students enrolled in this course have a dual credit option to receive college credit from Joliet Junior College.

The purpose of this class is to prepare students for the AP Statistics test; students are expected to sit for the test in May.

SCIENCE

PRE-AP BIOLOGY

GRADE 9
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Pre-AP Biology focuses on developing critical thinking skills, data analysis techniques, and effective communication in scientific contexts. Students will complete laboratory investigations that will develop their reading, writing and analytical skills. The course focuses on the themes of ecology, cellular biology, genetics, and evolution as outlined in the Next Generation Science Standards (NGSS) and the College Board framework. This is a Pre-Advanced Placement (AP) laboratory science course which will incorporate the eight science practices as well as scientific writing skills.

PRE-AP HONORS BIOLOGY

GRADE 9
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Must meet district honors criteria.

Designed as an enriched version of Pre-AP Biology, Pre-AP Honors Biology focuses on developing critical thinking skills, data analysis techniques, and effective communication in scientific contexts. Students will complete advanced laboratory investigations that will develop their reading, writing and analytical skills. The course focuses on the themes of ecology, cellular biology, genetics, and evolution as outlined in the Next Generation Science Standards (NGSS) and the College Board framework. This is a Pre-Advanced Placement (AP) laboratory science course which will incorporate the eight science practices as well as scientific writing skills.

AP BIOLOGY

GRADES 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Biology 1 or Biology 1 Honors, Physics 1 or Physics 1 Honors and Chemistry 1 or Chemistry 1 Honors, or concurrent enrollment in Chemistry.

Students will investigate areas in molecular biology, cytology, genetics, comparative anatomy and physiology, and ecology. Students will use the appropriate tools, techniques and methods to solve biological problems at the collegiate level. Scientific research and writing will be highly emphasized. This is a laboratory science course.

The purpose of this class is to prepare students for the AP Biology test; students are expected to sit for the test in May.

BIOLOGY 151

GRADE 12
WEIGHTED
1 SEMESTER
1 CREDIT
5 JJC CREDITS

Prerequisites: Biology 1 or Biology 1 Honors, Algebra 1, Chemistry 1, or concurrent enrollment, teacher recommendation, and required placement scores. Must meet district honors criteria.

Students will study principles of general biology, including cellular structure and function, molecular biology, energetics, ecology, Mendelian and human genetics, evolution, and taxonomy. Intended for biology, nursing, or allied health majors and other students planning to take upper-level biology courses. This is a laboratory science course.

REMARKS: Students enrolled in this course have a dual credit option to receive college credit from Joliet Junior College.

BIOLOGY 152

GRADE 12
WEIGHTED
1 SEMESTER
1 CREDIT
5 JJC CREDITS

Prerequisites: JJC BIO 151. Students must receive a grade of "C" or higher in Biology 151 in order to enroll in Biology 152 for college credit.

Students will study plant and animal kingdoms based upon evolution. Plant and animal structure and function are presented. Population genetics, ecology and animal behavior are also presented with some field study included as part

of the laboratory. Intended for students planning to take upper-level biology courses. This is a laboratory science course.

REMARKS: Students enrolled in this course have a dual credit option to receive college credit from Joliet Junior College.

CHEMISTRY 1

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Biology 1 and Algebra 1.

Students will solve chemical problems by using appropriate tools, observations, methods, and measurements; they will be able to identify and reproduce characteristic structures, functions, and interdependence of matter and energy. This is a laboratory science course.

REMARKS: This course is offered in a blended option.

CHEMISTRY 1 HONORS

GRADES 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Biology 1 Honors and Algebra 1. Must meet district honors criteria.

Students will complete intensive investigations that will develop their critical reading, writing and analytical skills. Students will solve chemical problems by using appropriate tools, methods and measurements. The course focuses on the themes of atomic structure, chemical reactions, changes in energy and equilibrium as outlined in the Next Generation Science Standards (NGSS) and the College Board framework. This is a Pre-Advanced Placement (AP) laboratory science course which will incorporate the eight science practices as well as scientific writing skills.

AP CHEMISTRY

GRADES 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Biology 1 or Biology 1 Honors, Physics 1 or Physics 1 Honors, and Chemistry 1 or Chemistry 1 Honors.

Students will apply chemical principles and investigate those principles by independent research, observations, methods, and measurements; they will be able to verify and justify characteristic structures, functions, and interdependence of matter and energy. Scientific research and writing will be highly emphasized. This is a laboratory science course.

The purpose of this class is to prepare students for the AP Chemistry test; students are expected to sit for the test in May.

CHEMISTRY 101

GRADE 12
WEIGHTED
1 SEMESTER
1 JTHS CREDIT
5 JJC CREDITS

Prerequisites: Biology 1 or Biology 1 Honors, Chemistry 1 or Chemistry 1 Honors, Algebra 1 or Algebra 1 Honors, teacher recommendation, and required JJC placement scores. Must meet district honors criteria.

Students will survey principles of general chemistry and will apply these concepts through laboratory exercises. Topics of study include atomic theory, atomic and molecular structure, chemical bonding, chemical reaction, stoichiometry, thermochemistry, gases, liquids, solids, solutions, and colligative properties. This is a laboratory science course.

REMARKS: Students enrolled in this course have a dual credit option to receive college credit from Joliet Junior College.

CHEMISTRY 102

GRADE 12
WEIGHTED
1 SEMESTER
1 JTHS CREDIT
5 JJC CREDITS

Prerequisites: JJC CHEM 101. Students must receive a grade of "C" or higher in Chemistry 101 in order to enroll in Chemistry 102 for college credit.

Students will study topics such as thermodynamics, kinetics, acid base theory, equilibrium, redox reactions, electrochemistry, spectroscopy and bonding of coordination compounds, topics in descriptive inorganic chemistry and nuclear chemistry. This is a laboratory science course.

REMARKS: Students enrolled in this course have a dual credit option to receive college credit from Joliet Junior College.

PHYSICS 1

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Biology 1 and Algebra 1.

Students will complete independent investigations that will develop their critical reading, writing and analytical skills. Students will solve physics problems by using appropriate tools, observations, methods, and measurements. The course

focuses on the themes of motion, forces, energy, fields, and waves as outlined in the Next Generation Science Standards (NGSS). This is a laboratory science course which will incorporate the eight science practices as well as scientific writing skills.

PHYSICS 1 HONORS

GRADES 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Biology 1 Honors and Algebra 1. Must meet district honors criteria.

Students will complete intensive independent investigations that will develop their critical reading, writing and analytical skills. Students will solve rigorous physics problems by using appropriate tools, observations, methods, and measurements. The course focuses on the themes of motion, forces, energy, fields, circuits, and waves as outlined in the Next Generation Science Standards (NGSS) and the College Board framework. This is a Pre-Advanced Placement (AP) laboratory science course which will incorporate the eight science practices as well as scientific writing skills.

AP PHYSICS 1

GRADES 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Biology 1 or Biology 1 Honors, and Geometry or Geometry Honors, and/or teacher recommendation.

Students will investigate principles of physics through observation, experimentation, problem solving, and independent research. Students will also be able to analyze and verify physical situations involving time, motion, forces, energy, electricity, waves, light, and modern physics. Scientific research and writing will be highly emphasized. This is a laboratory science course.

REMARKS: The purpose of this class is to prepare students for the AP Physics 1 test; students are expected to sit for the test in May.

AP PHYSICS 2

GRADES 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Biology 1 or Biology 1 Honors, Physics 1 or Physics 1 Honors, and Chemistry 1 or Honors Chemistry 1, or concurrent enrollment in Chemistry.

Students will cultivate their understanding of Physics through inquiry-based investigations as they explore fluids; thermodynamics; electrical force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics.

REMARKS: The purpose of this class is to prepare students for the AP Physics 2 test; students are expected to sit for the test in May.

ENVIRONMENTAL SCIENCE: ISSUES AND INNOVATIONS

GRADES 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: Biology or Biology Honors

Students will complete independent investigations that will develop their critical reading, writing and analytical skills. This course offers extensive lab experience that integrates concepts learned from biology and introduces concepts found in chemistry to strengthen individual skills in scientific reasoning and observation.

This course focuses on key principles that govern how nature works, the interactions between human society and ecosystems, and current and potential solutions to environmental problems.

This is a laboratory science course which will incorporate the eight science practices, as well as scientific writing.

REMARKS: This course does not fulfill the physical science course requirement for graduation.

AP ENVIRONMENTAL SCIENCE

GRADES 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Biology 1 Honors and Algebra Honors, Geometry Honors or teacher recommendation.

Students will apply scientific principles, concepts, and methodologies to the inter-relationships of the natural world. Students will also identify and analyze both natural and human-made environmental problems, evaluate the risks associated with these problems and examine alternative solutions for resolving and/or preventing them. Scientific research and writing will be highly emphasized. This is a laboratory science course.

The purpose of this class is to prepare students for the AP Environmental Science test; students are expected to sit for the test in May.

FORENSICS SCIENCE 1

GRADES 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: Biology or Biology Honors and Physics or Physics Honors or concurrent enrollment in Physics or Physics Honors. Recommend Chemistry or Honors Chemistry.

Students will complete independent investigations that will develop their critical reading, writing and analytical skills. This course offers extensive lab experience that integrates concepts from biology, physics and chemistry to strengthen individual skills in scientific reasoning and observation.

Using inquiry-based settings, students will learn scientific and mathematical methods and models required in forensics. Students will focus on crime scene processing and the detection, collection, and presentation of evidence for examination and court use.

This is a laboratory science course which will incorporate the eight science practices, as well as scientific writing.

REMARKS: This course does not fulfill the physical science course requirement for graduation.

FORENSICS SCIENCE 2

GRADES 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: Forensic Science 1.

Students will complete investigations that will develop their critical reading, writing and math skills. This course offers extensive lab experience that integrates concepts from biology, physics and chemistry to strengthen scientific reasoning, observation and writing.

Students will apply skills learned in Forensic Science 1 to concepts related to blood spatter analysis, psychology, soil analysis and firearms. This is a laboratory science course which will incorporate the eight science practices, as well as scientific writing.

REMARKS: This course does not fulfill the physical science course requirement for graduation.

MEDICAL TERMINOLOGY

GRADES 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: Biology 1 or Biology 1 Honors and Algebra 1.

Students will study the language of medicine in the various allied health professions. Significant vocabulary will be developed, with an emphasis on the context for understanding and building medical terms.

REMARKS: This course is offered in a blended option.

SOCIAL SCIENCE

AMERICAN GOVERNMENT

GRADES 11, 12
1 SEMESTER

.5 CREDIT

Prerequisites: None.

Students will understand the foundations and components of the Federal and State governments and become active participants in American government.

REMARKS: Successful completion of American Government indicates a passing of the US Constitution Exam, the Illinois Constitution Exam, and satisfies the State of Illinois Civics requirement. This course is offered in a blended option.

AP US GOVERNMENT AND POLITICS

GRADES 11, 12
WEIGHTED
1 SEMESTER
.5 CREDIT

Prerequisites: Must meet district honors criteria.

Students will demonstrate an understanding of the American Government with specific emphasis placed on the study of the state and federal constitutions, the principles that influenced our system of government, and direct application of those principles to issues in contemporary American politics. In addition, students will analyze political processes and heavy emphasis will be dedicated to research and writing skills.

REMARKS: This class fulfills the Constitution Test requirement.

The purpose of this class is to prepare students for the AP American Government test; students are expected to sit for the test in May.

ECONOMICS

GRADES 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will analyze the components of economic systems and the impact that they have on the American economy.

REMARKS: Fulfills the state requirement for Consumer Education. This course is offered in a blended option.

AP MICROECONOMICS

GRADES 11, 12
WEIGHTED
1 SEMESTER
.5 CREDIT

Prerequisites: Must meet district honors criteria.

Students will demonstrate a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. Emphasis will be placed on the nature and functions of product and factor markets and the role of government in the economy.

The purpose of this class is to prepare students for the AP Microeconomics test; Students are expected to sit for the AP Microeconomics exam.

AP EUROPEAN HISTORY

GRADES 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Must meet district honors criteria.

Students will analyze the political, economic, and social characteristics that have contributed to the development of modern Europe. Given that this course is taught at the honors level, critical thinking, writing, and research skills will be given additional emphasis while paying special attention to the application and synthesis of course content.

The purpose of this class is to prepare students for the AP European History test; students are expected to sit for the test in May.

AP AFRICAN AMERICAN STUDIES

GRADES 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: None.

In AP African American Studies, students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment. Given the interdisciplinary character of African American Studies, students in the course will develop skills across multiple fields, with an emphasis on developing historical, literary, visual, and data analysis skills. This course foregrounds a study of the diversity of Black communities in the United States within the broader context of Africa and the African diaspora. The course provides students with a strong foundation in facts and evidence about African American history and culture, offering an immersive survey course that is not currently available in most American high schools.

THE AFRICAN AND LATIN AMERICAN EXPERIENCE TO 1865

GRADES 9, 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will analyze the political, economic, social, and cultural experiences of African Americans and Latinos from Ancient African civilizations to the conquest of the Americas through the Mexican American War and the abolition of Slavery. Emphasis will be placed on critical thinking, writing, and research skills while paying special attention to the application and synthesis of course content.

THE AFRICAN AND LATIN AMERICAN EXPERIENCE SINCE 1865

GRADES 9, 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will analyze the political, economic, social, and cultural experiences of African Americans and Latinos from reconstruction in the United States and the rise of Caudillaje in Latin America to contemporary issues facing Blacks and Latinos throughout the world. Emphasis will be placed on critical thinking, writing, and research skills while paying special attention to the application and synthesis of course content.

LAW

GRADES 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will describe and analyze the structure and function of the American legal system with significant emphasis on constitutional law (particularly the role of the bill of rights in civil and criminal cases), the criminal and juvenile justice system, civil law (with emphasis on tort issues), and consumer and family law. The culminating activity is participation in a mock trial event. Emphasis will also be placed on careers in the legal field and the legal implications associated with various career fields based on student career interests.

PSYCHOLOGY

GRADES 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Students will demonstrate an understanding of the six approaches to the development of human behavior and development, examine the human brain for impact on personal and professional behavior, and analyze the implications of learning and cognition in people's lives. Emphasis is also placed on the practice of psychology as it relates to students' career interests and various professions.

AP PSYCHOLOGY

GRADES 10, 11, 12
WEIGHTED

2 SEMESTERS
1 CREDIT

Prerequisites: Must meet district honors criteria.

Students will study the behavior and mental processes of human beings and other animals. Students will consider psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students will also discuss ethics and methods psychologists use in their science and practice.
The purpose of this class is to prepare students for the AP Psychology test; students are expected to sit for the test in May.

SOCIOLOGY

GRADES 10, 11, 12
1 SEMESTER
.5 CREDIT

Prerequisites: None.

Introduction to the basic principles, concepts, and methods fundamental to sociology. Emphasis will be placed on the structure and dynamics of human society with special attention to group behaviors, socialization, social institutions, stratification, family, population, and crime.

UNITED STATES HISTORY

GRADE 11
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will analyze the political, economic, social, and cultural trends that have contributed to the development of modern American society.

REMARKS: Required for graduation in the State of Illinois. This course is offered in a blended option.

AP UNITED STATES HISTORY

GRADE 11
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Must meet district honors criteria.

Students will analyze the political, economic, social, and cultural trends that have contributed to the growth and development of American society. Given that this course is taught at an honors level, critical thinking, writing, and research skills will be given additional emphasis while paying special attention to the application and synthesis of course content.

The purpose of this class is to prepare students for the AP United States History test; students are expected to sit for the test in May.

REMARKS: Required for graduation in the State of Illinois. This course is offered in a blended option.

PRE-AP WORLD HISTORY AND GEOGRAPHY

GRADE 9
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Pre-AP World History and Geography will be the new freshman level social science course that will replace World Affairs. This course will be offered to all students and will provide them with a more consistent curriculum that will emphasize reading and critical thinking. This course will also help our students obtain skills and knowledge that will help them become AP ready if they choose to enroll in the future. AP Human Geography will still be an option for those students who want to take that course for AP credit, and both will be part of the social science requirement.

AP HUMAN GEOGRAPHY

GRADE 9, 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: 440 ERW PSAT 8/9 and/or teacher recommendation.
Students will analyze the systematic study of patterns and process that have shaped human understanding, use, and alteration of the Earth's surface. Students will also employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. In addition, students will learn methods and tools geographers use in their science and practice.

The purpose of this class is to prepare students for the AP Human Geography test; students are expected to sit for the test in May.

TECHNOLOGY AND ENGINEERING

3D COMPUTER ANIMATION

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will be introduced to the high-tech field of computer animation and three-dimensional designs used in such industries as game development, architectural and engineering walk-through, movies, and videos. Topics include 2D and 3D drawing, compound object creation, lighting cameras, backgrounds, materials, special effects, and computer animation. Students will use 3D Studio Max software, Tutorial, and Internet to complete assignments.

REMARKS: Freshmen who have completed Orientation to Technology may enroll.

COMPUTER MAINTENANCE AND REPAIR

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will learn essential IT skills and knowledge needed to perform tasks commonly performed by advanced end-users and entry-level IT professionals alike, including using features and functions of common operating systems and establishing network connectivity, identifying common software applications and their purpose, Using security and web browsing best practices This course is intended for candidates who are advanced end users and/or are considering a career in IT. The course is also a good fit for individuals interested in pursuing professional-level certifications, such as A+.

REMARKS: Freshmen who have completed Orientation to Technology may enroll. Basic computer knowledge and skills are essential.

AUTO TECHNOLOGY

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will explore careers in the transportation technology field. They will acquire general and technical knowledge and training related to the automobile with laboratory exercises on the electrical, fuel, mechanical, and chassis systems. A portion of the course deals with small engine repair.

REMARKS: Freshmen who have completed Orientation to Technology may enroll. Required for Vocational Auto Mechanics.

ORIENTATION TO TECHNOLOGY

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

During the first semester, students will identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

During the second semester, students will strategies that enable students to build their own understanding of new ideas. It is designed to engage students in exploring and deepening their understanding of "big ideas" regarding technology and apply technological processes to solve real problems and develop knowledge and skills to design, modify, use, and apply technology in the following areas: engineering design, manufacturing technologies, construction technologies, energy & power, information & communication technologies, and emerging technologies.

VOCATIONAL AUTO MECHANICS 1

GRADES 10, 11, 12
2 SEMESTERS
2 CREDITS

Prerequisites: Auto Technology is required; Electronics & Robotics 1 is recommended.

Students will participate in this ASE, NATEF, and AYES certified course to prepare them for a career in automotive technology. First semester consists of theory and shop work involving lubrication, tires, exhaust, brakes, steering, suspension, and wheel alignment. Second semester consists of theory and shop work involving engines, electrical and fuel systems. Emphasis will be on diagnosis, testing, and repair of automobiles.

REMARKS: This class will meet for 2 hours daily. West students are transported to and from Central. Students enrolled in this course may have a dual credit option to receive college credit from Joliet Junior College.

VOCATIONAL AUTO MECHANICS 2

GRADE 11, 12
2 SEMESTERS
2 CREDITS

Prerequisites: Vocational Auto Mechanics 1.

Students will prepare for a career in auto mechanics through this ASE, NATEF, and AYES certified second year course. The course will consist of advanced auto mechanical theory

REMARKS: This class will meet for 2 hours daily. West students are transported to and from Central. Students enrolled in this course may have a dual credit option to receive college credit from Joliet Junior College.

ELECTRONICS AND ROBOTICS 1

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will be introduced to basic components, electronic circuitry, electrical theory, testing and troubleshooting of both electric and digital electronic components through practical lab experiences. Students will also be introduced to

robotics, electric power production, soldering, and theory progressing to applied wiring techniques used in both residential and commercial applications. Careers in electrical and electronic fields are also explored.

REMARKS: Freshmen who have completed Orientation to Technology may enroll.

ELECTRONICS AND ROBOTICS 2

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Electronics and Robotics 1.

Students will learn advanced components, electronic circuitry, electrical application, advanced testing and troubleshooting of both electric and digital electronic components through practical lab experiences. Students will also learn advanced robotics, electric power production, soldering, and applied wiring techniques used in both residential and commercial applications at advanced levels. Careers in electrical and electronic fields are explored in depth.

ENGINEERING AND ARCHITECTURE 1

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will be introduced to standard drafting practices, 2-Dimensional and 3-Dimensional computer-aided drafting (CAD) software. Students will use industry-related equipment such as 3D printers and laser cutters. Students will develop an understanding of how CAD is used in the employment field, its concepts, terminology, and equipment and offers hands-on opportunities. Students engage in open-ended problem solving to learn and apply the engineering design process. Students will develop technical and creative skills to completely design and model residential plans, while incorporating design techniques, measurement, geometry, and statistics.

REMARKS: Freshmen who have completed Orientation to Technology may enroll. Students enrolled in this course may have a dual credit option to receive college credit from Joliet Junior College.

ENGINEERING AND ARCHITECTURE 2

GRADES 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Engineering and Architecture 1.

Students will study advanced drafting practices, 2-Dimensional and 3-Dimensional computer-aided drafting (CAD) software. Students will advance their skills in industry-related equipment such as 3D printers and laser cutters. Students will further understand how CAD is used in the employment field, its concepts, terminology, and equipment and offers hands-on opportunities. Students engage in enhanced open-ended problem solving to apply the engineering design process. Students will strengthen their technical and creative skills to completely design and model residential and commercial plans, while incorporating design techniques, measurement, geometry, and statistics.

REMARKS: Students enrolled in this course may have a dual credit option to receive college credit from Joliet Junior College.

ENGINEERING AND ARCHITECTURE 3

GRADES 12
2 SEMESTERS
1 CREDIT

Prerequisites: Engineering and Architecture 2.

Students will build a digital portfolio to showcase their skills in engineering graphics and architecture for future colleges or employers. Students will focus on the integration of Computer Aided Drafting (CAD) to design and create technical drawings, 3D models, physical models, and prototypes. Students will also integrate industry-related tools such as 3d printers and laser cutters to bring their ideas to life.

REMARKS: Students enrolled in this course may have a dual credit option to receive college credit from Joliet Junior College.

GEOMETRY IN CONSTRUCTION

GRADES 10
2 SEMESTERS
1 CTE CREDIT
1 MATH CREDIT

Prerequisites: Successful completion of AMPED on Algebra or Algebra 1.

Construction with Geometry is an integrated way to learn Geometry through the application in Construction. The construction concepts within the course are organized to complement the skills and the knowledge learned in geometry lessons. Depending on student need, days are structured with the flexibility to offer full math days, full CTE days, or anything between. On build days, students will work together to create traditional woods projects which could include but not limited to; furniture, a birdhouse, a doghouse, and a backyard shed. The course will provide students with the opportunity to immediately apply what they are learning in Geometry to their woods projects.

METALS TECHNOLOGY

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will be exposed to a wide variety of metalworking experiences in this basic course. Units cover sheet metal, forging, heat treating and machine shop processes. Students will learn basic operations on bench tools, metal lathes, mills, grinders, and drilling machines. Career opportunities will also be explored.

REMARKS: Freshmen who have completed Orientation to Technology may enroll.

PHOTOGRAPHIC COMMUNICATIONS 1

GRADES 10, 11, 12

2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will learn photographic skills from camera operation to the darkroom to the computer. Students will learn to express their creativity in taking pictures, developing film, enlarging prints, making photo albums, layout and design, desktop publishing, sign making, and screen printing. Orientation to careers in photography and desktop publishing is. included.

REMARKS: Freshmen who have completed Orientation to Technology may enroll. Students do not need to have a camera. The school provides photographic equipment.

PHOTOGRAPHIC COMMUNICATIONS 2

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Photographic Communications 1.

Students will combine photographic and desktop publishing skills to produce and market products related to photography. Areas explored include portrait and close-up photography, light controls, filters, desktop publishing and extended photographic products.

REMARKS: Students do not need to have a camera. The school provides photographic equipment.

AP STUDIO ART (DESIGNATION PHOTOGRAPHY)

GRADES 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Photographic Communications 2.

AP Studio Art is designed for students who are seriously interested in the practical experience of art. Students submit individual portfolios for evaluation at the end of the school year. The AP Studio Art Program consists of three portfolios for students to choose from, which includes Two-dimensional Design, Three-dimensional Design, and Drawing, This College Board program provides a national standard for performance in the visual arts that allows students to earn college credit and/or advanced placement while still in high school.

REMARKS: Students are encouraged to furnish their own camera, although it is not necessary.

PLTW INTRODUCTION TO ENGINEERING DESIGN (IED)

GRADES 9, 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Not enrolled in math support.

Students engage in open-ended problem solving, learn and apply the engineering design process, and use the same industry-leading technology and software as are used in the world's top companies. Students are immersed in design as they investigate topics such as technical sketching and drawing, modeling, measurement, geometry, and statistics.

PLTW PRINCIPLES OF ENGINEERING (POE)

GRADES 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Successful completion of PLTW Introduction to Engineering Design with a C or better and completion or concurrent enrollment in Physics/Honors Physics.

Students will explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation through problems that engage and challenge. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

PLTW ENGINEERING DESIGN AND DEVELOPMENT (EDD)

GRADES 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: PLTW Principles of Engineering (POE).

This is an open-ended engineering research course in which students work in teams to design and develop an original solution to a well-defined and justified open-ended problem by applying an engineering design process.

Students will perform research to select, define, and justify a problem. After carefully defining the design requirements and creating multiple solution approaches, teams of students select an approach, create, and test their solution prototype. Student teams will present and defend their original solution to an outside panel.

While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication and interpersonal skills, their creative and problem-solving abilities, and their understanding of the design process.

WELDING TECHNOLOGY 1

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will receive knowledge and skills in the welding trade including basic oxyacetylene cutting, brazing and welding shielded metal arc welding plasma cuttings, hand and power tools, troubleshooting equipment and layout and planning. Safety practices will be taught and reinforced throughout the course. Theory and practice in various welding techniques are covered along with project work. Orientation to welding careers is included.

REMARKS: Freshmen who have completed Orientation to Technology may enroll.

WELDING TECHNOLOGY 2

GRADES 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Welding Technology 1.

This course will build off the experiences learned through Welding Technology 1. Students will further enhance their skills for such topics as oxyfuel cutting brazing and welding, and shielded metal arc welding. In this course students will be given instruction on set up and use with gas metal arc welding, flux cored arc welding and gas tungsten arc welding. Students will practice safe welding procedures following OSHA safety standards. Students will additionally learn how to read welding symbols, use practical math needed for careers in the trades and skills needed for job readiness.

WOODS AND CONSTRUCTION 1

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will learn the use of bench tools and machines through this basic construction course. Practical application is made through a series of small projects in building construction with emphasis on layout and planning. Use of hand and power tools will be taught. Woods Technology will give the student opportunities to develop desirable work habits and obtain building trades knowledge/skills.

REMARKS: Freshmen who have completed Orientation to Technology may enroll.

WOODS AND CONSTRUCTION 2

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Woods and Construction 1.

Students will receive training for careers in advanced construction and woodworking occupations. Students will learn more complicated cabinet and millwork construction utilizing modern woodworking machines and methods. Orientation to careers in woodworking will also be covered.

WOODS AND CONSTRUCTION 3

GRADES 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Woods and Construction 2.

Students will progress their woodworking and construction skills to a higher level. Emphasis will be on utilizing the latest machines, tools, and techniques in the construction industry through detailed projects with a higher degree of difficulty. This course develops advanced skills useful in all areas of construction. Career opportunities will also be explored.

INTER-RELATED OCCUPATIONS (IRO)

GRADE 12
2 SEMESTERS
(SEE REMARKS) *

Prerequisites: One credit in Career and Technical Education.

Students will develop positive work habits through a combination of daily classwork in school and work experience in the community averaging 15 or more hours per week. This will help students bridge the gap from school to successful full-time employment.

REMARKS: Students must provide their own transportation to job sites. *.5 credit for class per semester; .5 credit for the first 135 hours of approved work experience per semester; .5 credit for the second 135 hours approved work experience per semester.

WORKPLACE INTERNSHIP SUMMER CREDIT

SUMMER INTERNSHIP (NO CLASS ASSOCIATED)
GRADE 10, 11, 12
.25 CREDIT

Prerequisites: On track for graduation and successful placement with an approved JTHS internship partner in the students declared Career Pathway.

Workplace Internship Summer Credit provides students with work experience in fields related to the student's career pathway. This program will offer early exposure to a workplace environment related to the student's chosen career path. Students will work with their employer to set goals and better develop career-related skills specific to the identified career and workplace environment. Students will attend a weekly virtual meeting to check-in with their Work-

Based Learning coordinator and discuss relevant workplace topics. A professional skills assessment will be completed by the Work-Based Learning Coordinator across multiple site visits.

REMARKS:

- 0.25 credits per 60 hours of approved work experience per semester, up to 0.5 credits total,
- Students will earn credit and potentially pay depending on placement,
- Students will submit weekly paystubs or proof of work to the coordinator,
- Students will provide their own transportation to worksites and any material/supply needs specific to the placement,
- Placements must be approved by the coordinator in advance,
- Internship hours must take place outside of the student's class schedule
- Students will develop an individual learning plan in collaboration with their employer
- Subject to child labor laws:
    - <18 years of age no Hazardous Occupations (HOs)
    - 16 years of age OR Work Permit issued
    - Social Security Card
    - Guardian Illinois residency
- Unemployment does not apply

WORLD LANGUAGES

AMERICAN SIGN LANGUAGE 1

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will learn about the history of American Sign Language (ASL), deaf culture, and how to communicate with the deaf and hard of hearing.

AMERICAN SIGN LANGUAGE 2

GRADES 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: American Sign Language 1.

Students will continue to learn about the history of American Sign Language (ASL), deaf culture, and how to communicate with the deaf and hard of hearing.

AMERICAN SIGN LANGUAGE 3

GRADES 11, 12
2 SEMESTERS
WEIGHTED

1 CREDIT

Prerequisites: Successful completion of American Sign Language 1 and 2.

Students will learn about the history of American Sign Language (ASL), Deaf culture, and how to communicate with the deaf and hard of hearing. This course will expand on the curriculum found in ASL 2 by focusing on additional vocabulary, grammar, syntax, and complex conversational skills.

AMERICAN SIGN LANGUAGE 4

GRADES 12
2 SEMESTERS
WEIGHTED
1 CREDIT

Prerequisites: Successful completion of American Sign Language 1, 2 and 3.

Students will learn about the history of American Sign Language (ASL), Deaf culture, and how to communicate with the deaf and hard of hearing. This course will expand on the curriculum found in ASL 3 by focusing on additional vocabulary, grammar, syntax, and complex conversational skills.

FRENCH 1

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will explore the French language through the use of speaking activities, technology, interactive games, videos, French readings, and map work. Students will also gain an appreciation for French culture and its influence in the world. Active participation will increase a solid foundation for communicating in French by developing skills in speaking, reading, writing, and listening.

FRENCH 2

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: French 1 or proficiency.

Students will continue their exploration of the French language through the use of speaking activities, technology, interactive games, videos, French readings, and map work. Students will gain a deeper appreciation for French culture in our global society and build upon their French 1 skills by communicating in past, present, and future tenses.

FRENCH 3

GRADES 9, 10, 11, 12

WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: French 2 or proficiency.

Students will continue their journey in the French speaking world as they strengthen their language skills through the use of engaging, interactive learning activities. Students will explore Francophone literature, history, visual art and culture. Students will challenge themselves with advanced vocabulary and grammatical structure in a French-speaking environment.

FRENCH 4

GRADES 9, 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: French 3 or proficiency.

Students will complete their journey in the French speaking world and increase their confidence as they apply advanced language skills in authentic communicative situations. Students will demonstrate their French language proficiency and continue to challenge themselves through advanced language activities including Francophone literature, arts, film, and grammar.

SPANISH 1

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: None.

Students will begin to develop the four basic skills of listening, reading, writing and speaking in Spanish. The course focuses on communicating in Spanish, gaining an understanding of Hispanic cultures, connecting with other disciplines, comparing one's own native language to Spanish, and participating in multicultural communities. The primary cultural focus is on the country of Mexico.

SPANISH 2

GRADES 9, 10, 11, 12
2 SEMESTERS
1 CREDIT

Prerequisites: Spanish 1 or proficiency.

Students will continue to develop the four basic skills of listening, reading, writing, and speaking in Spanish. The course focuses on communicating in Spanish, gaining an understanding of Hispanic cultures, connecting with other disciplines, comparing one's own native language to Spanish, and participating in multicultural communities. The primary cultural focus is on the country of Spain.

SPANISH 3

GRADES 9, 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Spanish 2 or proficiency.

Students will continue to develop the four domains of language: listening, reading, writing, and speaking of Spanish. The course emphasizes communicating in Spanish, gaining an understanding of Hispanic cultures, connecting with other disciplines, comparing one's native language to Spanish, and participating in multicultural communities. The primary cultural focus is on the countries of South America.

SPANISH 4

GRADES 9, 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Spanish 3 or proficiency.

Students will continue to develop the four domains of listening, reading, writing, and speaking in Spanish. The course focuses on communicating in Spanish, gaining an understanding of Hispanic cultures, connecting to other disciplines, comparing one's own native language to Spanish, and participation in multi-cultural communities. Students will be exposed to Spanish literature and will continue to develop their writing skills. Students will examine the cultures of Central America and the Caribbean.

HERITAGE SPANISH 1

GRADES 9, 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Students must be "auditory positive" in Spanish.

Students who already use Spanish in their personal lives will continue to develop their speaking, listening, reading, and writing skills in the language while exploring the origins of the cultural beauty and wonders that make up part of the Latinx/e community in Joliet and the U.S. with a primary focus on, but not exclusively, Mexican culture and influences. Students will study the cultural, traditional, linguistic, and historical influences that have shaped and molded the unique and diverse Latinx/e experience in our community and other communities within the U.S.

HERITAGE SPANISH 2

GRADES 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Completion of Heritage Spanish 1.

Students who already use Spanish in their personal lives will continue to develop their speaking, listening, reading, and writing skills in the language while exploring the origins of the cultural beauty and wonders that make up part of the Latinx/e community in Joliet, the U.S and all Spanish-speaking countries. This course continues providing opportunities for students to expand their critical thinking skills, deepen their understanding of the Latinx/e cultures and use the language in real life and professional settings.

AP SPANISH LANGUAGE AND CULTURE

GRADES 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Spanish 4 or Heritage 2.

Students will experience a rich and rigorous study of the language and culture of the Spanish-speaking world that is equivalent to an upper-intermediate college or university course. The course is offered as a first step to college-level Spanish after approximately three to five years of classroom study.

REMARKS: The purpose of this course is to prepare students for the AP Spanish Language and Culture test; students are expected to sit for the test in May.

AP SPANISH LITERATURE AND CULTURE

GRADES 10, 11, 12
WEIGHTED
2 SEMESTERS
1 CREDIT

Prerequisites: Completion of AP Spanish Language and Culture.

Students will experience a rich and rigorous study of the literature and culture of the Spanish-speaking work that is equivalent to an upper-intermediate college or university course. The course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spain, Latin American, and Hispanic literature from the United States. Students will continue to develop proficiencies across the full range of communication modes (interpersonal, presentational, and interpretive), thereby honing their critical reading and analytical writing skills. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, literary criticism).
REMARKS: The purpose of this class is to prepare students for the AP Spanish Literature and Culture test; students are expected to sit for the test in May.

JJC DUAL ENROLLMENT CAREER PROGRAMS

ARCHITECTURE, CONSTRUCTION MANAGEMENT, & ENGINEERING

CM 100 INTRODUCTION TO CONSTRUCTION MANAGEMENT

GRADE 12
WEIGHTED
½ SEMESTER

.5 JTHS CREDIT
2 JJC CREDITS

Prerequisites: Students are selected through an application process based on teacher/counselor recommendation, grades, and attendance.

An introduction to the global construction industry and managing construction projects. Includes industry career options and industry terminology; the phases, delivery methods and services provided during construction projects; an introduction to project scheduling, estimating, safety and sustainable construction; teaches basic construction math principles.

REMARKS: This course is taught by Joliet Junior College Staff on JJC main campus. Students who successfully complete this course have an opportunity to earn 2 college credits. Students are responsible for their own transportation to and from class.

AEC 106 BLUEPRINT READING FOR CONSTRUCTION AND ARCHITECTURE

GRADE 12
WEIGHTED
½ SEMESTER
.5 JTHS CREDIT
3 JJC CREDITS

Prerequisites: Students are selected through an application process based on teacher/counselor recommendation, grades, and attendance.

Designed to provide proper knowledge of blueprint reading as it relates to the architectural or building construction industry. This course covers the theory of orthographic projections, reading floor plans and elevation drawings, symbols and notations, scaling and dimensioning practices, materials of construction; reading blueprints for structural information, electrical and mechanical trades blueprints; reading detail drawings, plot plans and specifications; types of heavy construction; and timber, steel, and reinforced concrete.

REMARKS: This course is taught by Joliet Junior College Staff on JJC main campus. Students who successfully complete this course have an opportunity to earn 3 college credits. Students are responsible for their own transportation to and from class.

ARCH 100 INTRODUCTION TO THE ARCHITECTURE PROFESSION

GRADE 12
WEIGHTED
½ SEMESTER
.5 JTHS CREDIT
2 JJC CREDITS

Prerequisites: Students are selected through an application process based on teacher/counselor recommendation, grades, and attendance.

The course is intended to provide the student a broad insight into selecting architecture as a career. Topics include what architecture is, how architecture fits into our daily lives, and the different career alternatives a student can pursue in this field.

REMARKS: This course is taught by Joliet Junior College Staff on JJC main campus. Students who successfully complete this course have an opportunity to earn 2 college credits. Students are responsible for their own transportation to and from class.

SET 100 INTRODUCTION TO SUSTAINABILITY

GRADE 12
WEIGHTED
½ SEMESTER
.5 JTHS CREDIT
2 JJC CREDITS

Prerequisites: Students are selected through an application process based on teacher/counselor recommendation, grades, and attendance.

The 8-week course introduces the basic fundamentals of sustainability as a societal, global, multi-discipline approach. Topics focus on the sustainable practices relative to food, water, shelter; renewable energy technologies; sustainable business practices as well as green careers exploration.

REMARKS: This course is taught by Joliet Junior College Staff on JJC main campus. Students who successfully complete this course have an opportunity to earn 2 college credits. Students are responsible for their own transportation to and from class.

EGR 105 INTRODUCTION TO ENGINEERING

GRADE 12
WEIGHTED
½ SEMESTER
.5 JTHS CREDIT
2 JJC CREDITS

Prerequisites: Students are selected through an application process based on teacher/counselor recommendation, grades, and attendance.

Introduces students to the engineering profession, including the disciplines of civil, computer, electrical, environmental, and mechanical engineering. Prepares students for success through the integration of the following important skills: technical problem solving and engineering design, ethical decision-making, teamwork, and communicating to diverse audiences.

REMARKS: This course is taught by Joliet Junior College Staff on JJC main campus. Students who successfully complete this course have an opportunity to earn 2 college credits. Students are responsible for their own transportation to and from class.

EEAS 101 BASIC WIRING AND CIRCUIT DESIGN

GRADE 12
WEIGHTED
½ SEMESTER
.5 JTHS CREDIT

4 JJC CREDITS

Prerequisites: Students are selected through an application process based on teacher/counselor recommendation, grades, and attendance.

Students will learn concepts to include the fundamentals of electrical and electronic circuits, the calculation and measurement of voltage, current, resistance and power. Emphasis is placed on safe meter usage, print reading and exposure to a variety of electrical technologies currently used in industry. Topics include introductory residential wiring, operation of AC motors, industrial solid-state devices, variable frequency drives, industrial controls, and single-phase/three-phase power distribution.

REMARKS: This course is taught by Joliet Junior College Staff on JJC main campus. Students who successfully complete this course have an opportunity to earn 4 college credits. Students are responsible for their own transportation to and from class.

EEAS 111 INDUSTRIAL CONTROLS I – ANALOG

GRADE 12
WEIGHTED
½ SEMESTER
.5 JTHS CREDIT
4 JJC CREDITS

Prerequisites: Students are selected through an application process based on teacher/counselor recommendation, grades, and attendance.

Students will be introduced to power transmission equipment and machinery components, including belt/chain driven equipment, speed reducers, variable speed drives, couplings, clutches, and conveying equipment. Students will learn the operation, maintenance, and troubleshooting of these types of equipment. Equipment alignment is also covered.

REMARKS: This course is taught by Joliet Junior College Staff on JJC main campus. Students who successfully complete this course have an opportunity to earn 4 college credits. Students must provide their own transportation to and from class.

IMT 101 INDUSTRIAL MAINTENANCE FUNDAMENTALS

GRADE 12
WEIGHTED
½ SEMESTER
.5 JTHS CREDIT
3 JJC CREDITS

Prerequisites: Students are selected through an application process based on teacher/counselor recommendation, grades, and attendance.

Students will be provided with a theoretical framework for the understanding of industrial mechanical systems with hands-on activities to reinforce the concepts introduced. Students will learn about OSHA safety programs, maintenance physics, hand and power tools, precision measuring, technical diagrams and assembly prints, fastening devices, lubrication, basic pump operation, and basic pipefitting procedures.

REMARKS: This course is taught by Joliet Junior College Staff on JJC main campus. Students who successfully complete this course have an opportunity to earn 3 college credits. Students must provide their own transportation to and from class.

IMT 121 INDUSTRIAL FLUID POWER

GRADE 12
WEIGHTED
½ SEMESTER
.5 JTHS CREDIT
3 JJC CREDITS

Prerequisites: Students are selected through an application process based on teacher/counselor recommendation, grades, and attendance.

Students will study the principles of hydraulics and pneumatics as applied to the basic theory of fluidics and typical industrial circuits. Students will build fluid power circuits as applied to industrial applications.

REMARKS: This course is taught by Joliet Junior College Staff on JJC main campus. Students who successfully complete this course have an opportunity to earn 3 college credits. Students must provide their own transportation to and from class.

LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

LENF 101 INTRODUCTION TO LAW ENFORCEMENT

GRADE 12
½ SEMESTER
.5 JTHS CREDIT
3 JJC CREDITS

Prerequisites: Students are selected through an application process based on teacher/counselor recommendation, grades, and attendance.

A three-unit survey course covering the history of law enforcement, an in-depth analysis of the American Constitution as it applies to law enforcement and a career orientation emphasizing the realities of a career in law enforcement at local, state and federal levels of service.

REMARKS: This course is taught by JJC Staff on JJC main campus. Students who successfully complete this course have an opportunity to earn 3 college credits. Students are responsible for their own transportation to and from class.

EMS 100 INTRODUCTION TO PUBLIC SAFETY CAREERS

GRADE 12
½ SEMESTER
.5 JTHS CREDIT

2 JJC CREDITS

Prerequisites: Students are selected through an application process based on teacher/counselor recommendation, grades, and attendance.

This course introduces the public service areas of study: fire, EMS and law enforcement/criminal justice. The first third of the course will focus on the fire service, including the history, fireground operations and career options. The second third of the course will focus on EMS, including history, organization, relationship to fire and police fields, and allied health careers. The last third of the course will introduce law enforcement/criminal justice content, focusing primarily on history, operations and careers in the police department and criminal investigation fields. The course will use lectures, hands-on activities, field trips, speakers, basic first aid training and self-defense training as a way to impart the importance of these careers to maintaining public safety and wellbeing.

REMARKS: This course is taught by JJC Staff on JJC main campus. Students who successfully complete this course have an opportunity to earn 2 college credits. Students are responsible for their own transportation to and from class.

EMS 101 FIRST RESPONDER

GRADE 12
1 SEMESTER
1 JTHS CREDIT
4 JJC CREDITS

Prerequisites: Students are selected through an application process based on teacher/counselor recommendation, grades, and attendance.

This course contains lectures and hands-on application of skills. The first responder uses a limited amount of equipment to perform an assessment and complete stabilizing interventions. Upon successful completion, the student will receive certification from the Illinois Department of Public Health. This course is a suggested prerequisite to the Emergency Medical Technician – Basic Course.

REMARKS: This course is taught by JJC Staff on JJC main campus. Students who successfully complete this course have an opportunity to earn 4 college credits and certification from IDPH. Students are responsible for their own transportation to and from class.

FSCI 101 PRINCIPLES OF EMERGENCY SERVICES

GRADE 12
½ SEMESTER
.5 JTHS CREDIT
3 JJC CREDITS

Prerequisites: Students are selected through an application process based on teacher/counselor recommendation, grades, and attendance.

This course provides an overview of fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection/services; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire services; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics. This course meets the FESHE guidelines for Principles of Emergency Services.

REMARKS: This course is taught by JJC Staff on JJC main campus. Students who successfully complete this course have an opportunity to earn 3 college credits. Students are responsible for their own transportation to and from class.

HEALTH SCIENCE AND TECHNOLOGY

NA 101 CERTIFIED NURSE ASSISTANT TRAINING PROGRAM

GRADE 12
1 SEMESTER
2 JTHS CREDITS
6 JJC CREDITS

Prerequisites: Students are selected through an application process based on teacher/counselor recommendation, grades, attendance, and the following:

1. Health Science or PLTW Principles of Biomedical Science with a grade of "C" or higher.

After the mandatory parent meeting students will be informed to submit proof of:

2. Submit 2-Step TB Test results, physical exam form, Criminal Background Check with fingerprinting, Proof of COVID-19 vaccination, proof of Basic Life Support (BLS) for Healthcare Providers certification.

3. Students may be asked to submit a drug test prior to clinical work experience.

The Certified Nurse Assistant Training Program at Joliet Junior College is designed to prepare qualified nurse assistants to administer patient care as members of a nursing team in hospitals, nursing homes, home health care agencies and other extended care facilities.

The nurse assistant program is a six-credit hour course, which meets the requirements and guidelines for recognition and approval of the Basic Nurse Assistant Training Program as set by the State of Illinois Department of Public Health. The Nurse Assistant program at JJC has been fully approved since 1979. Successful completion of the program, criminal background search, and State Competency Examination assures certification by IDPH.

The program consists of 149 hours of theory, laboratory, and clinical content. Methods of instruction include lecture, discussion, videos, role-playing, laboratory practice sessions, and supervised clinical experience in a nursing home setting.

REMARKS: Students who successfully complete the course receive 2 high school credits and 6 Joliet Junior College credits. The class meets three- and one-half hours a day, three days per week.

SPECIAL PROGRAMS

ADVANCED PLACEMENT PROGRAM
The AP Program gives you a chance to experience college-level classes in high school and opens the door to earning college credit before you ever set foot on campus. You'll get to dig deeper into subjects you love while building the skills and confidence you need to succeed in college.

Joliet Township High School offers AP courses in 18 subjects, each of which culminates in an optional exam in May. If you score a 3 or higher (on a scale of 1–5), you could earn college credit, skip intro-level courses, or both at thousands of U.S. colleges and universities. Earning credit in high school means paying for fewer credits in college. It also opens up your schedule, allowing you to take more electives, pursue a second major, or study abroad.

Regardless of your AP Exam score, taking AP courses can have a positive impact on your college applications. Admissions officers know college faculty play a big role in developing AP courses, so they know students who took AP pushed themselves to take challenging, college-level courses. This is something colleges like to see.

Take some time to look through the AP courses we offer. See if any interest you. By taking these courses, you can find out what college work is like while you have the support of teachers you trust in an environment you know.

New AP Exam Registration Process
AP exams will still take place in May, but starting with the 2019-20 school year, students will be asked in the fall to register for their AP Exam(s).

If your AP course doesn't start until after the fall exam ordering deadline, you can register later in the year. For help registering, talk to your AP teacher, counselor, or your school's AP Coordinator.

ADVISORY
Students are placed in a grade level advisory that meets 25 minutes each day with a Teacher/Advisor. The purpose of the Advisory Program is to achieve personalized support by building collaborative relationships between students and teachers. Realistic and positive relationships are maintained in a safe environment with an Advisory team of staff, students, and parents focused on a high school plan with post-secondary goals and transition experiences. The Advisor acts as an Advocate for the students/advisees and monitors their attendance, grades, and behavior.

BLENDED LEARNING
JTHS blended learning opportunities challenge and empower students to become active learners through both face to face and on-line instruction. This format allows students more flexibility and control over when they choose to learn. In addition, the blended learning structure exposes students to the online learning environments they are likely to experience in college as well as the workplace.

DUAL CREDIT
Joliet Township High School works in conjunction with Joliet Junior College, Lewis University and University of St. Francis to offer Grade 11 and 12 students dual credit opportunities in career and technical education courses as well as academic courses. Students interested in pursuing dual credit opportunities should contact a District Curriculum Director for information regarding specific guidelines for each course. Each dual credit course listed in this guide comes with a unique set of criteria; not all dual credit requirements are the same.

HONORS PROGRAM
Joliet Township High School provides an appropriate as well as challenging education to students. In District 204 no single criterion will exclude a student from consideration. Rather, nomination for the Honors Program is based on the following criteria:

- ACT Test Results
- PSAT test Results
- Teacher Recommendation(s)

HOSPITAL/HOMEBOUND
This program is provided to students with a health or physical impairment, which in the opinion of a licensed medical examiner, will cause an extended absence from school and whom school personnel determine can benefit educationally from such a program.

PROJECT LEAD THE WAY (PLTW)

Joliet Township High School offers Project Lead the Way courses as part of the Engineering and Medical programs of study. Project Lead the Way (PLTW) courses offer students an opportunity to continue a quality pre-engineering and pre-medical program with the added benefit of accreditation recognized nationally by post-secondary institutions.

SEAL OF BILITERACY PROGRAM

The purposes of the Seal of Biliteracy program at Joliet Township High School are to encourage the study of languages, certify attainment of biliteracy, provide employers and universities with a method of identifying people with language and biliteracy skills, affirm the value of diversity, and recognize the value of foreign language and native language instruction in public schools. Students who have earned the Seal of Biliteracy have demonstrated a high level of language proficiency sufficient for meaningful use in college and career.

The criteria for earning the Seal of Biliteracy at Joliet Township High School include the following:

a. Completion of the application for the Seal of Biliteracy to the program coordinator
b. Maintain a 3.0 cumulative GPA.
c. Formal 4-year study of a second language
d. Demonstrate proficiency in the second language by:
   i. Achieving a 5 or higher composite score on the ACCESS exam
   -Or-
   ii. Achieving an "intermediate high" on the ACTFL exam in the target language
   -Or-
   iii. A score of a "3" or better on the AP (Advanced Placement) exam for a world language (English, and Spanish or French).

SPECIAL EDUCATION

Joliet Township High School District 204 is committed to providing a quality education in the least restrictive environment for students with disabilities who require an Individual Education Plan (IEP). During the IEP meeting, the IEP Team which includes parents/guardians, student, and staff develop the student's Individualized Education Program to determine the special education and related services the student needs to progress through the general education curriculum. Courses offered within the Special Education program include the core requirements required for graduation. For further information regarding course offerings, programs, and services, contact the District Director of Special Services.

SUMMER BRIDGE PROGRAM

The Joliet Township High School Summer Bridge Program is provided for incoming freshman students who benefit additional academic support in literacy and math skills. Students will be identified based on their PSAT scores and invited to participate in the program. This program will be provided pending funding.

TRANSITIONAL BILINGUAL EDUCATION/TRANSITIONAL PROGRAM OF INSTRUCTION (ENGLISH AS A SECOND LANGAUGE)

The ESL/Bilingual program (Transitional Bilingual Education/Transitional Program of Instruction or TBE/TPI) provides English language learners (ELLs) the necessary support to attain proficiency of the English language (TPI). In instances where a student's native or home language is Spanish, students also take their core classes in a bilingual environment designed to promote dual literacy in addition to ESL support (TBE). Students are placed in the program based on their results on a universal screener of their English proficiency and exited from the program based on Federal and State guidelines.

The following courses are available in Spanish as part of the Transitional Bilingual Program:

APPLIED LIFE
Health Bilingual
MATH
Algebra 1 Bilingual

Geometry Bilingual
Advanced Algebra Bilingual
SCIENCE
Biology Bilingual
SOCIAL SCIENCE
Pre-AP World History/Geography Bilingual
US History Bilingual
American Government/Economics Bilingual