CARBONDALE COMMUNITY HIGH SCHOOL

COURSE DESCRIPTION GUIDE 2027-2028

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COURSE DESCRIPTION GUIDE
2027-2028

CARBONDALE COMMUNITY HIGH SCHOOL

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Carbondale, IL 62901
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Principal: Ryan Thomas
Special Education Director: Mandy McKee
Curriculum Director/EL Director: Lena Dierks
Assistant Principal: Terica Doyle
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Assistant Principal: Tyler Chance

COUNSELING DEPARTMENT
Class of 2028 Counselor: Angie Moeller (ext 217)
Class of 2029 Counselor: Caitlin Klaybor (ext 224)
Class of 2030 Counselor: Brenda Krutsinger (ext 264)
Class of 2031 Counselor: Lyndsey Walls (ext 216)
Class of 2029 & 2031 Social Worker: Melinda Pierson (ext 206)
Class of 2028 & 2030 Social Worker: Amy Prudencio (ext 228)
Counseling Department Secretary: Fatima Calmese (ext 226)
Registrar: Mindy Clark (ext 227)

INTRODUCTION

The Course Description Guide provides an overview of courses offered, as well as information related to successfully navigating high school and preparing for college and career endeavors. Carbondale Community High School offers a comprehensive curriculum designed to serve students' needs. Students are urged to discuss their career plans with parents, counselors, and teachers based on a realistic self-assessment of their interests and academic abilities. Counselors are available to facilitate this process and help plan a four-year program of study tailored to meet the individual needs of each student. Students and parents are encouraged to read the Counseling Information and Course Description sections very carefully.

The Course Description Guide is available on the CCHS website: www.cchs165.jacksn.k12.il.us.
A hard copy may be obtained from the Counseling Department if needed.

COUNSELING INFORMATION

MINIMUM GRADUATION REQUIREMENTS

4 credits	English	
3 credits	Math	including Algebra 1 and Geometry content
2 credits	Science	
1 credit	US History	junior year
0.5 credits	US Government	senior year
0.5 credits	Civics	senior year
0.5 credits	Consumer Education	Adult Living, Personal Finance, or Work Based Learning
0.5 credits	Health	freshman year
1 credit	CTE, Fine Arts, or World Languages	
Physical Education – Students must take Physical Education every semester. Waivers may be applicable.		
19 credits	TOTAL MINIMUM CREDITS REQUIRED	

CREDIT POLICY

1. A passing grade in both semesters of a full year course equals one credit; A passing grade in one semester equals 0.5 credits. Driver Education classes earn 0.25 credits.
2. If a student fails one semester of a Math class and it is not made up in Credit Recovery, it is strongly recommended that both semesters be repeated. Math classes are designed to be sequential, and it is necessary to complete both semesters in order to acquire the skills and knowledge necessary to advance to the next math level. See your Counselor or Math teacher for assistance with this determination. Duplicate credit will not be given for a previously passed class.
3. All credits earned in a school approved by an appropriate state agency or accrediting agency will be accepted for transfer. All credits earned in other schools and submitted for transfer shall be subject to administrative review and approval. No college classes will be accepted for high school credit.
4. A student must attend CCHS the last semester prior to graduation from CCHS.
5. A student cannot take more than one no-credit class per day (e.g., Study Hall, Teacher Assistant).
6. No honors credit will be awarded for Independent Study classes.
7. Honors credit points are awarded for all passing grades earned in honors classes for a maximum of 11 honors credits per student (22 semesters). Students may take additional honors classes but will not receive honors credit points beyond 11 credits. If a student is recommended for an honors class, the student may decline the recommendation. There are no honors classes taught at the freshman level and no honors credit is awarded to any student for honors classes taken during the freshman year except as described in #9 below.
8. Only 3 honors credits are available in Math.
9. Freshmen can enroll in, and eventually receive honors credit for course work in honors Math. Students who elect this approach are still limited to three Math honors credits. The honors credit for Math courses taken during the freshman year will be added to a student's GPA when a student completes the Math sequence of classes (Honors AP Calculus). The honors credit earned in prior semesters will be included in a student's GPA.
10. The freshman and sophomore years of English are specifically designed to build reading and intensive writing skills. The third year of English is American Literature, which includes an emphasis on intensive research writing, a vital building block to the broader range of writing in the senior year and any college writing ahead. To meet the English graduation requirement, all students must successfully complete English 1, 2, 3, and 4.

COLLEGE ADMISSIONS REQUIREMENTS

Students are responsible for meeting the entrance requirements of colleges and universities that they wish to attend. Since admissions standards vary widely from school to school, it is imperative that students and parents become informed about each school's standards relating to test scores, grades, and high school course selection when choosing a school. Sometimes different admissions standards exist within one university or college, depending on the major the student wants to study. Careful planning for college includes early contact with all potential colleges regarding specific admission standards. Counselors introduce post-secondary planning beginning in the 9th grade. This is done through group and individual lessons and meetings and the introduction of the Maia Learning platform. Students are encouraged to use Maia Learning regularly for college and career research and decision making.

4-YEAR COLLEGE PREPARATION

A college preparation program can be recommended which should satisfy basic admission requirements at most colleges and universities. Below is the required course pattern for admission to many Illinois public universities:

4 credits	English
3-4 credits	Math (beginning with Algebra 1)
3-4 credits	Science (Biology, Chemistry, Physics – recommended sequence)
3-4 credits	Social Studies
2+ credits	World Languages
2+ credits	Fine Arts or CTE

FAILURE TO MEET ADMISSION REQUIREMENTS: In some cases, a student who does not satisfy a college's admissions requirements may be admitted on a provisional basis. This is solely dependent on each college's policy concerning taking additional basic courses.

NCAA ELIGIBILITY REQUIREMENTS FOR ATHLETICS

Students who plan to participate in athletics at Division I and II institutions must meet the NCAA requirements. Division I Full Qualifier requirements include successful completion of 16 core courses with at least a 2.3 GPA in those core courses. Ten of the 16 core courses must be completed by the end of the student's junior year. ACT and/or SAT scores are also taken into consideration for eligibility (See the Sliding Scale online at the NCAA Eligibility Center). Division II also requires 16 core courses with at least a 2.2 GPA. These requirements may change from time-to-time. Therefore, it is important to check the NCAA website (https://web3.ncaa.org/ecwr3/) for current requirements. Students should register with the NCAA Eligibility Center by their Junior year. Talk with your coach and/or the Athletic Director for current requirements. A list of current NCAA approved, CCHS core classes, can be found on pages 8-9.

COURSE SELECTION PROCEDURE

During second semester, students will meet with their Counselor to select classes for the next school year. Some required classes may be pre-determined. Electives should be made based on interest, aptitude, and future plans. Classes are scheduled based on student requests, teacher recommendations and the availability of sections.

SCHEDULE CHANGES

Any first semester schedule change requests must be made in writing before the first day of attendance. To drop or add a class, you must email your grade level counselor by the posted deadline. Second semester changes must be made by the first Friday in December. There will be no schedule changes made after the semester begins, other than those that are administrative in nature or as requested by a teacher. Occasionally scheduling problems develop, such as conflicts between requested courses or scheduling errors. These types of schedule changes, being administrative in nature, will be made regardless of deadlines. Schedule changes will not be granted for the following reasons: to change teachers, to change lunch, or to be with friends.

COUNSELING APPOINTMENTS
Unless it is an emergency, students are encouraged to make an appointment to see their grade level counselor. Appointments can be scheduled via the Counseling & Social Work tab on Terrier Net; students may also email. No passes will be given to students who are late to class because they were making a counseling appointment.

INDEPENDENT STUDY
Independent study courses are available on a departmental basis if a student has completed the highest level of course work in that department. Only Seniors are eligible for independent study. Honors credit is not available. All independent study courses must be pre-approved by the cooperating teacher, Department Chair, Counseling Department Chair, and Principal.

TEACHING ASSISTANTSHIP
A teaching assistantship is a non-credit class, for Seniors only, which must be pre-approved by the cooperating teacher and an Assistant Principal. Teachers are limited to one teaching assistant per semester.

PROFICIENCY/PLACEMENT CREDIT POLICY
Proficiency exams may be given for appropriate placement in World Languages, Math, and CTE classes. No credit is given for the lower-level course that is passed by proficiency, unless otherwise determined by administration. Proficiency exams or projects are not allowed as waivers for courses required for graduation.

CORRESPONDENCE COURSES
Students interested in correspondence courses at CCHS must receive prior approval from the Principal. Only correspondence courses accredited by the North Central Association of Schools and Colleges or other comparable regional accrediting associations will be accepted for credit toward graduation. Registration for a correspondence course will be limited to a senior who has a full schedule and needs an additional course to meet graduation requirements or a student who has completed the course sequence offered at CCHS. A student may use a maximum of one correspondence credit toward graduation.

DUAL CREDIT
Several courses at CCHS have been articulated for dual credit with John A. Logan College. Junior and Senior students will receive both high school and college credits for these classes, if they meet the minimum requirements. Freshmen and Sophomores are not eligible to earn Dual Credit from JALC. A Dual Credit Enrollment form must be completed by all dual credit students. Students must take the Accuplacer, ACT, or SAT exam to receive dual credit in English, math, or CNA courses. Students should see the Dual Credit Coordinator for assistance.

Dual Credit Classes include: American Sign Language, AP Spanish 4, Art Appreciation, Architectural Design and Drafting I, Automotive, Botany & Agricultural Science II, Ceramics, Certified Nursing Assistant (CNA), Construction Craft Preparation, Contemporary Math, Cosmetology I, Electrical Trades, English 4 Track 1 & 2, Honors/AP English 3, Honors/AP English 4, Human Development, Introduction to Statistics, Medical Terminology, School and Society, Honors Spanish 3, Honors Spanish 4, Honors AP Spanish 4, and Honors/AP US History. Dual credit classes are taught on the CCHS campus except for Automotive, American Sign Language, and Construction Craft Program. Students will be allowed one hour of release for every three credit hours of coursework at JALC for approved dual credit classes.

CONCURRENT/DUAL ENROLLMENT IN EARLY COLLEGE COURSES

Concurrent enrollment in college classes is an opportunity for students to take college courses for college credit while enrolled in high school. Students must have completed their sophomore year to participate in this program. Students and parents must monitor course selection and course patterns to make sure that each four-year plan aligns with the student's post-secondary plan. Guidelines for this enrollment are as follows:

1. A student can enroll in college classes concurrently during the regular academic year. Classes may be taken during the regular school day, if there is room in the student's schedule for release time. No student will be released for more than two class periods. Students may also choose to take evening and/or on-line classes. To enroll in classes at John A. Logan College, a student must complete the Early College application online, arrange to take the Accuplacer, ACT, or SAT test, and request an official transcript be sent to the Early College Coordinator at the college. Courses taken during the fall and spring semesters through the Early College Program at John A. Logan are tuition free, up to eight credit hours. Students must pay fees if applicable, as well as purchase any required books or supplies associated with each class.
2. College courses taken during the release time must be from subject areas in which the student has completed all courses offered at CCHS.
3. A student must complete the appropriate registration form, available from the dual enrollment coordinator, take the Accuplacer exam, and have an official high school transcript sent to the college. Tuition will be waived at JALC for up to eight credit hours per semester during the regular school year and during summer. Students are responsible for books and fees. Tuition waivers are not available at SIUC.
4. High School credit will not be awarded for college courses taken while attending CCHS, unless the course has been approved as a dual credit class. SIUC and JALC will hold the credits in escrow until the student graduates. SIUC and JALC will hold credits earned in escrow. A college transcript may be requested when applying to other colleges. Course equivalencies between colleges can be found at https://www.transfer.org/.
5. The grade earned in a college course, not classified as dual credit, will not be computed in the students' high school G.P.A.

HONORS CLASSES

CCHS offers a variety of classes that may be taken for honors credit. Each department has its own selection process for admitting students into their honors program. Students can take as many honors classes as they qualify for, but a maximum of 11 honors credits (22 semesters) will be used to calculate a student's GPA. Students enrolled in AP courses are required to take the AP exam in that subject, unless the course is dual credit.

REBOUND

A failed class that is required for graduation can be made up at Rebound during the summer, if the class is available. If a student has not made up the failed class before the semester in which the class was failed, the student must repeat the course at CCHS unless otherwise approved. Students can earn no more than 3 credits at Rebound for failed classes, while enrolled at CCHS. Rebound also provides an alternative for completing high school requirements for graduation and/or a GED.

Rebound Contact Information:

205 N Oakland Ave, Carbondale, IL 62901
618-549-8232

TERRIER TUTORING/CREDIT RECOVERY

A tutoring and credit recovery program is offered after school on Tuesdays, Wednesdays and Thursdays to assist students with academic improvement and credit recovery. Credit recovery requires a student who failed a required class to complete a minimum of 20 hours of work and pass the exit exam. If completed successfully, the student will receive a D in the course. One semester of credit recovery may also be offered during the summer to students who meet specific requirements in English, English as a Second Language (ESL) Algebra 1, Algebra 2, Geometry, IAG 1, IAG 2, IAG 3, US History, Government, Biology, and Physical Earth Science.

SUMMER SCHOOL

Driver's Education may be offered during summer school. Students wanting to take summer driver's education should select the class during forecasting. To complete the registration process, the student must pay the summer school fee, or verify qualification of a fee waiver, in the Principal's Office by the pre-determined deadline. Enrollment in this class is based on a student's birth date (older students have priority), and the completion of the registration process in a timely manner. Summer school semesters are four weeks in length and generally begin during the first week of June. Regular attendance is crucial because each day of summer school is equivalent to two days of work during the regular school year. Students are responsible for their own transportation; limited bus service may be available for three of the four weeks of class.

SUMMER ENRICHMENT PROGRAM

The Summer Enrichment Program is a non-credit summer school opportunity for students to explore interests that otherwise might not be available to them. Enrichment and remedial classes are free and are offered in one and two week blocks. Students may register for classes on-line during the month of May. Contact Mrs. Doyle (x276) for more information.

FOUR-YEAR PLAN

CCHS CLASS OF _____

NAME: _____CAREER GOAL: _____

FRESHMAN YEAR	**SOPHOMORE YEAR**
Required: English, Math, Science, Health, PE EB_____ 1_____ 2_____ 3_____ 4_____ 5_____ 6_____	Required: English, Math, Science, PE Recommended: Consumer Ed EB_____ 1_____ 2_____ 3_____ 4_____ 5_____ 6_____
JUNIOR YEAR	**SENIOR YEAR**
Required: English, Math, US History, Consumer Ed, PE Recommended: Science EB_____ 1_____ 2_____ 3_____ 4_____ 5_____ 6_____	Required: English, Government/Civics, PE Recommended: Math, Science EB_____ 1_____ 2_____ 3_____ 4_____ 5_____ 6_____

Core classes in English, Math, Science, Social Studies and World Languages should be your focus depending on the selectivity of the colleges you are interested in and your goal to qualify as an NCAA athlete.
Fine Arts and CTE courses also meet specific college requirements depending on the school and your intended major.

Ask questions as you work so that you choose wisely for your future plans!

COURSE OFFERINGS

CTE - BUSINESS
Accounting 1 & 2
CEO – Creating Entrepreneurial Opportunities (dc – SIUC)
Computer Applications
Computer Science I
Computer Science II
Work Based Learning
Honors/AP Computer Science I
Honors/AP Computer Science II
Introduction to Business
Marketing / Sports Marketing
Multimedia Development 1 & 2
Personal Finance
Tech for Success
Web Page Design

CTE - FAMILY AND CONSUMER SCIENCE
Adult Living
Cosmetology 1 & 2 (dc)
Culinary Occupations 1 & 2
Educational Methods
Exploring Careers in Education
Human Development (dc)
Nutrition and Culinary Arts 1 & 2
Parenting
School and Society (dc)

CTE - HEALTH OCCUPATIONS TECHNOLOGY
Certified Nursing Assistant (dc)
Medical Terminology (dc)
Orientation to Health Occupations

CTE - INDUSTRIAL TECHNOLOGY
3-D Animation and Design 1 & 2
Architectural Design and Drafting 1 (dc) & 2
Beginning Drafting and Design
Carpentry Exterior
Carpentry Interior
Electrical Trades (dc)
Engineering Design/Mechanical Drafting 1 & 2
Graphic Design 1 & 2
Honors Architectural Design Drafting 1 (dc) & 2
Honors Engineering Design/Mechanical Drafting 1 & 2
Introduction to Technology and Engineering
Principles of Technology 1 & 2
Robotics
Small Engines
Welding 1, 2, 3, & 4

ENGLISH
English 1, 2, 3, & 4 (nc)
English 4 (nc)
English 4 (dc) (nc)
Honors English 2 (nc)
Honors/AP English 3 (dc) (nc)
Honors/AP English 4 (dc) (nc)
English as a Second Language (ESL 1-4)

FINE ARTS – INSTRUMENTAL MUSIC
Concert Band I & II
Band (Percussion)
Honors Concert Band II
Hip-Hop Production
Jazz Ensemble
Marching Guard
Music Appreciation (dc)
Beginning Guitar
Advanced Strings
Piano & Advanced Piano

FINE ARTS – VOCAL MUSIC
Choir, Advanced Choir, & Advanced Honors Choir

FINE ARTS – VISUAL ARTS
Art
Advanced Art
Art Studio & Honors Art Studio
Art Appreciation (dc)
Ceramics
Advanced Ceramics
College Ceramics (dc)
Photography, Advanced Photography, & Photography Studio
Sculpture, Advanced Sculpture & Sculpture Studio

FINE ARTS – SPEECH AND THEATRE
Creative Writing
Speech & Advanced Speech (nc)
Theatre & Advanced Theatre

HEALTH & DRIVER EDUCATION
Driver Education
Health

MATHEMATICS
Accelerated Algebra 1 (nc)
Accelerated Geometry (nc)
Algebra 1 (nc)
Algebra 2 (nc)
Contemporary Math (dc) (nc)
Financial Algebra 2 (nc)
Geometry (nc)
Honors Algebra 2 (nc)
Honors/AP Calculus (nc)
Honors Geometry (nc)
Honors/AP Pre-Calculus (nc)
Integrated Algebra/Geometry 1 (nc)
Integrated Algebra/Geometry 2 (nc)
Integrated Algebra/Geometry 3 (nc)
Intensified Algebra 1 (nc)
Introductory Statistics (dc) (nc)
Transitions to Quantitative Literacy and Statistics (nc)
Trigonometry/Analytic Geometry (nc)
Algebra Intervention 1 & 2

PHYSICAL EDUCATION
Adventure/Outdoor Education
Personal Fitness
Freshman PE
Strength Training
Team Sports
Athletic PE Freshman Strength Training

SUPPORTIVE INTERVENTIONS & READING
Academic Support 1 & 2
Algebra Intervention 1 & 2
Reading Lab 1

SCIENCE
Accelerated Biology (nc)
Anatomy and Physiology (nc)
Biology (nc)
Biology 2 – Genetics (nc)
Biology 2 – Microbiology (nc)
Botany and Agriculture Science 1 & 2 (dc)(nc)
Chemistry 1 (nc)
Conservation Biology (nc)
Forensics – Life Science (nc)
Forensics – Physical Science (nc)
Honors/AP Biology 2 (nc)
Honors/AP Chemistry 2 (nc)
Honors/AP Environmental Science (nc)
Honors/AP Physics 1 (nc)
Honors/AP Physics 2 (nc)
Honors Biology 2 - Microbiology (nc)
Honors Chemistry 1 (nc)
Physical Earth Science (nc)
Physics (nc)
Principles of Technology 1 & 2 (nc)
Zoology / Vet Technology (nc)

SOCIAL STUDIES
African-American History (nc)
Honors/AP African-American History (nc)
American Government (nc)
Civics (nc)
Human Geography (nc)
Honors/AP Government (nc)
Honors/AP Psychology (nc)
Honors/AP United States History (dc) (nc)
Honors/AP World History (nc)
Sociology (nc)
Psychology (nc)
U.S. History (nc)
World Geography (nc)
World History (nc)

WORLD LANGUAGES
American Sign Language 1 & 2 (dc) (nc)
French 1, 2, Honors 3, & Honors 4 (nc)
German 1, 2, Honors 3, & Honors 4 (nc)
Heritage Spanish 1 & 2 (nc)
Spanish 1 & 2 (nc)
Honors Spanish 3 & 4 (dc) (nc)
Honors Spanish 4 (dc) (nc)
Honors AP Spanish 4 (dc) (nc)
Spanish Language Arts

DUAL CREDIT CLASSES
Taught at CCHS
Architectural Design and Drafting 1 (dc)
Art Appreciation (dc)
Botany and Agriculture Science 2 (dc)
Ceramics (dc)
Certified Nursing Assistant (CNA) (dc)
Contemporary Math (dc) (nc)
Cosmetology 1 & 2 (dc)
Electrical Trades (dc)
English 4 (dc) (nc)
Honors English 3 (dc) (nc)
Honors English 4 (dc) (nc)
Honors Spanish 3 & 4 (dc) (nc)
Honors AP Spanish 4 (dc) (nc)
Honors AP US History (dc) (nc)
Human Development (dc)
Introductory Statistics (dc) (nc)
Medical Terminology (dc)
Music Appreciation (dc)
School and Society (dc)

Taught Off-Campus by CEO Staff
CEO (Creating Entrepreneurial Opportunities) (dc – SIUC)

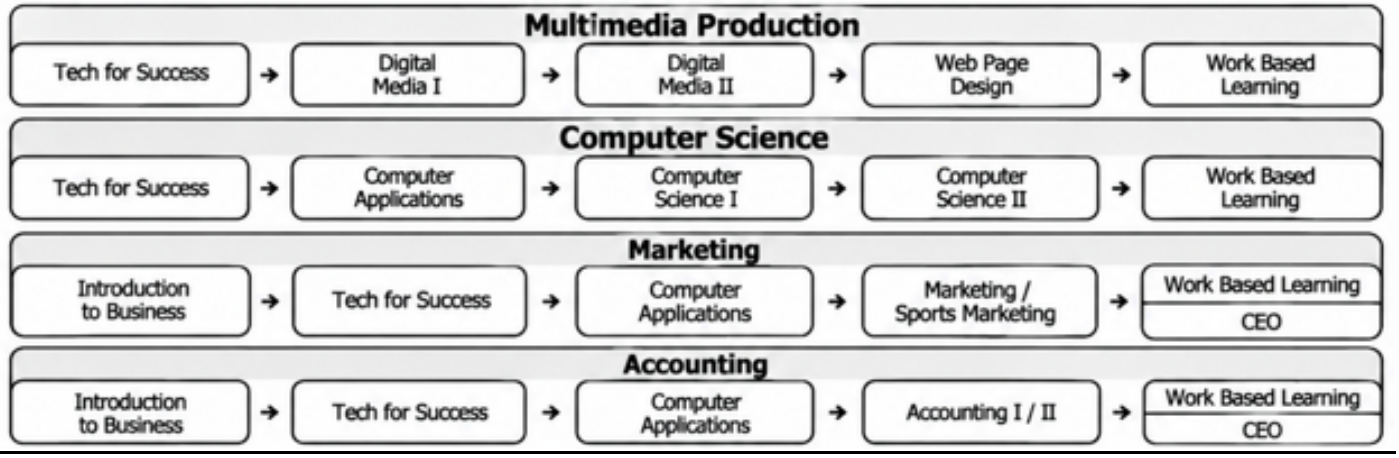
Taught at JALC
American Sign Language 1 & 2 (IPP141/IPP142) (dc)
Automotive Braking Systems (AST173) (dc)
Automotive Engine Repair (AST170) (dc)
Automotive Fuel & Exhaust Systems (AST171B) (dc)
Automotive Ignition Systems (AST171A) (dc)
Automotive Intro to Auto Services (AST172) (dc)
Automotive Suspension & Steering (AST281) (dc)
Automotive Starting & Charging (AST180B) (dc)
Automotive Electrical Accessories (AST180C) (dc)
Automotive Basic Electrical Systems (AST180A) (dc)

Taught at the Illinois Laborers' & Contractors Joint Apprenticeship and Training Facility
Construction Craft Preparation Program (dc)

(nc) NCAA Approved Core Class
(dc) Indicates Dual Credit Class

CAREER AND TECHNICAL EDUCATION
CTE – BUSINESS

Course Pathways



ACCOUNTING 1 **Grades 10-12** **Elective** **Semester** **6020**

Accounting 1 is a course assists students pursuing a career in business, marketing, and management. This course includes planned learning experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying and maintaining numerical data involved in financial and product control records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision making.

ACCOUNTING 2 **Grades 10-12** **Elective** **Semester** **6030**

Prerequisite: C or better in Accounting 1.

Accounting 2 is a course that builds upon the foundation established in Accounting 1. This course is planned to help students to develop deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. It is a study of previously learned principles as they apply to the more complicated types of business organizations: partnerships, corporations, branches, etc. The students may become familiar with such specialized fields of accounting as cost accounting, tax accounting, payroll accounting, and others. Some students may choose to do specialized accounting computer applications, and others may elect payroll clerk, data processing computer applications. Simulated business conditions may be provided through the use of practice sets. Skills are developed in the entry, retrieval, and statistical analysis of business data using computers for accounting business applications.

CEO (Creating Entrepreneurial Opportunities) **Grades 11-12** **Elective** **Full Year** **6200**

Additional Information: Dual Credit SIUC BUS115 & 2 class periods (Early Bird and 1st Hour), off campus program

This course covers the basics of conceptualizing, starting, and running a small business. Concepts, such as supply and demand, cost/benefit analysis, competitive advantage, and opportunity recognition, will be covered. In addition, coursework will include: innovative thinking strategies, product development, business structure, marketing, financial strategies, and record keeping. Students will work in teams to create business plans. Skills such as preparing an income statement, balance sheet, income and cash flow statements will also be taught. Entrepreneurial thinking (outside-the-box problem solving) will be utilized throughout the course. Various business owners from Jackson County will be invited into the class in the role of either guest speaker or as business consults to advise the students. Students will have opportunities for job shadowing and business mentor relationships. Students will present their business plans to an advisory team.

COMPUTER APPLICATIONS **Grades 9-12** **Elective** **Semester** **6110**

Early Bird Option (6111)

Prerequisite: Tech for Success

Advance your digital skills to a professional level! This course focuses on high-level productivity tools, business applications, and creative digital design used in today's workplace. You'll learn how to create polished documents, analyze and visualize data, and design professional presentations through hands-on, collaborative projects. Along the way, you'll prepare for industry-recognized technology certifications, building the skills and credentials that make you stand out for college, careers, and beyond.

COMPUTER SCIENCE I **Grades 10-12** **Elective** **Semester** **6150**

Prerequisite: Tech for Success

Unlock your inner problem-solver! In this hands-on course, you'll explore the world of coding and computational thinking—the process of breaking down problems, finding patterns, and designing creative solutions. Through engaging projects, games, and app challenges, you'll learn how computers "think" and how to use code to bring your own ideas to life. You'll also explore topics like AI, data, and cybersecurity to see how technology impacts everyday life. This course builds the foundation for all future computer science learning.

HONORS/AP COMPUTER SCIENCE I **Grades 10-12** **Elective** **Semester** **6155**

Prerequisite: Tech for Success and teacher recommendation.

Take your computational thinking to the next level! This accelerated course builds upon the same core skills as Computer Science I while diving deeper into programming, algorithms, and data analysis. Closely aligned with the AP Computer Science Principles curriculum, students will explore real-world computing innovations, digital information, and the social impacts of technology. Through advanced coding projects and in-depth discussions, you'll strengthen the logic, creativity, and communication skills needed for success on the AP Computer Science Principles Exam.

COMPUTER SCIENCE II **Grades 10-12** **Elective** **Semester** **6160**

Prerequisite: Computer Science I

Build on your foundation from Computer Science I as you advance your programming skills and explore new areas of computing. You'll tackle more complex coding projects, learn about data structures, app design, cybersecurity, and physical computing, and see how computer science applies to real-world innovation. Creativity, logic, and collaboration drive each challenge as you design solutions that showcase your growing expertise and readiness for advanced coursework or tech careers.

HONORS/AP COMPUTER SCIENCE II **Grades 10-12** **Elective** **Semester** **6160**

Prerequisite: Computer Science I and teacher recommendation

Challenge yourself with an advanced, college-preparatory continuation of Computer Science II. You'll master complex programming concepts, design efficient algorithms, and develop innovative applications while exploring data structures, artificial intelligence, and object-oriented programming. Aligned with the AP Computer Science A curriculum, this course emphasizes precision, performance, and professional coding practices. Students will complete rigorous programming challenges and projects that build mastery for success on the AP Computer Science A Exam and future studies in computer science or engineering.

WORK BASED LEARNING **Grade 12** **Elective** **Full Year** **6250**

Additional Information: 3 class periods (5th, 6th, and 7th period)
Prerequisites: Students must complete a written application and be accepted by the Work-Based Learning (WBL) coordinator. Eligibility requires a minimum 2.0 GPA or instructor consent, along with demonstrated dependability in attendance and behavior.
The Work-based Learning program is a capstone experience designed to bridge classroom learning with real-world employment. As part of a student's career pathway, this program develops essential workplace skills and professional attitudes through a combination of paid work experience and structured classroom instruction. Students are released from school to participate in supervised employment aligned with their career pathway. In addition, they attend 200 minutes per week of classroom instruction focused on cross-sector employability competencies such as communication, problem-solving, teamwork, and professionalism. Instruction is led by a certified Work-Based Learning coordinator who oversees student progress and ensures alignment between school-based learning and job-site expectations. Successful completion of the full-year course satisfies the Consumer Education requirement for graduation.

INTRODUCTION TO BUSINESS **Grades 9-12** **Elective** **Semester** **6000**

Step into the exciting world of business! In this course, you'll discover how companies are built, marketed, and managed—from small startups to global brands. You'll explore entrepreneurship, marketing, finance, and leadership through fun, hands-on projects and real-world examples. The course wraps up with your chance to shine—creating and pitching your own business idea!

MARKETING / SPORTS MARKETING **Grades 10-12** **Elective** **Semester** **6040**

This class is designed for students to learn the functions of marketing as they relate to sports and entertainment. The exercises, case problems and activities for this course are designed to develop student understanding of the sport/entertainment industries, their economic impact, and products; distribution systems and strategies; pricing considerations; product/service management, and promotion. Throughout the course, students are presented problem solving situations for which they must apply academic and critical thinking skills. Photography, videography, and photo/video editing will be a strong component of this course.

DIGITAL MEDIA 1: CONTENT CREATION **Grades 9-12** **Elective** **Semester** **6130**

Formerly Multimedia Development 1
Want to see your work published? Digital Media 1 introduces students to the fundamentals of digital media creation and visual communication through real projects for the website, school social media, and other Terrier events, starting in the very first week. Through short skill lessons and choice-based projects, students learn the basics of photography, photo editing, graphic design, and video production using industry-standard tools such as Adobe Photoshop, Canva, and video editing applications. Students also learn how to write captions, schedule posts, and plan content for a real audience. Emphasis is placed on creativity, visual storytelling, design principles, and responsible digital media practices, and all work is teacher-reviewed before it is published. Students finish the semester with a professional portfolio of their published work.

DIGITAL MEDIA 2: VIDEO PRODUCTION **Grades 9-12** **Elective** **Semester** **6140**

Formerly Multimedia Development 2
Prerequisite: Digital Media 1 with a grade of C or better
Take your content to a professional level. Digital Media 2 builds on the skills developed in Digital Media 1, with an emphasis on advanced video production, editing, and digital storytelling. Using Adobe Premiere Pro and Photoshop, students learn the workflow used in the video industry: planning projects for clients and audiences, using shot types and cinematic composition, editing footage, adding transitions and motion graphics, producing and mixing audio, color correcting, and exporting for web and screen. Students also learn the copyright, licensing, fair use, and permission rules that professionals follow when working with music, footage, people, and locations. Through hands-on projects, students produce promotional videos, sports highlights, event coverage, interviews, and social media content and the school community. Students are expected to work more independently while producing polished, publication-ready media.

PERSONAL FINANCE **Grades 10-12** **Elective** **Semester** **6010**

Early Bird Option (6011)

This course develops an understanding of financial literacy and includes skills used in everyday activities both for personal and professional use. It provides an opportunity to develop skills related to personal financial management as well as budgeting, financial planning, handling of money, banking, insurance, taxes, and the role of the consumer. It also satisfies the consumer education requirement for graduation

TECH FOR SUCCESS **Grades 9-12** **Elective** **Semester** **6100**

Early Bird Option (6101)

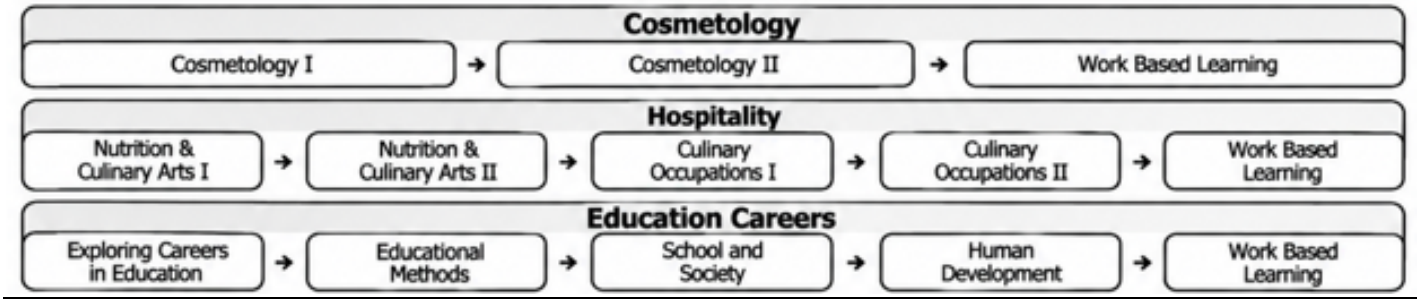
Start your journey into the digital world! This course builds essential technology and computer skills that help you succeed in school, work, and everyday life. You'll learn how to use Microsoft Office tools, manage files, communicate effectively, and stay safe online. Through interactive projects and real-world challenges, you'll gain the confidence to navigate technology with ease—and even have the chance to earn a Digital Literacy Certification.

WEB PAGE DESIGN **Grades 9-12** **Elective** **Semester** **6120**

Bring your creativity to life online! In this course, you'll learn how to design and build your own professional websites using modern tools. You'll explore how businesses use digital marketing, branding, and e-commerce to reach audiences around the world. Through hands-on projects, you'll create a fully functional website and online business, blending technology, creativity, and entrepreneurship into one exciting experience!

CTE - FAMILY AND CONSUMER SCIENCE

Course Pathways



ADULT LIVING **Grades 10-12** **Elective** **Semester** **6400**

This project -based course is designed to focus on financial literacy while developing behaviors needed to participate in positive and respectful relationships in the family, community, and workplace. Emphasis is placed on goal setting, aptitudes, college and career readiness, employability resources and tools, financial planning, budgeting, and consumerism. This course satisfies the consumer education requirement for graduation.

COSMETOLOGY 1 **Grades 11** **Elective** **Full Year** **6501**

Additional Information: Dual Credit JALC & 3 class periods (1st, 2nd, and 4th)

Cosmetology 1 provides introduces students to the requirements to become a licensed cosmetologist. It offers students instruction in both theory and practical application in the following areas: tools and their use, shampoo, understanding chemicals and use, types of hair, sanitation, hygiene, skin diseases and conditions, anatomy and physiology, electricity, ethics, nail technology and esthetics as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act. Knowledge, skills, and activities completed in this course will help prepare students for Cosmetology 2, while earning hours towards licensure. This is a 3-period class during the school day.

COSMETOLOGY 2 **Grades 12** **Elective** **Full Year** **6502**

Additional Information: 3 class periods (5th, 6th, and 7th)

Prerequisite: successful completion of Cosmetology 1

Cosmetology II will build upon the knowledge and skills attained in Cosmetology I and will provide instruction, which may be a combination of classroom instruction and hands on experience in the following areas: practical chemical application/hair treatment, hair styling/hair dressing, and shop management, sanitation and interpersonal relations as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act, as well as labor and compensation laws. Instruction may also include instruction in nail technology, esthetics, individualized skill development, and career planning. This course offers a curriculum of advanced theoretical and practical skill development to prepare students for the cosmetology licensure examination and progression to obtain the 1500 hours of study in cosmetology. This is a 3 period class during the school day. Students will need to begin class before the school year begins as well as complete their internship after graduation to complete their hours required.

CULINARY OCCUPATIONS 1 **Grades 10-12** **Elective** **Year/Sem** **6330**

Full Title: Culinary Occupations 1 (Food Service Occupations 1) (Professional Cook's Class 1)
Prerequisite: Nutrition & Culinary Arts 2
This course is designed to provide students interested in careers in food service with information and practical experiences needed for the development of food service job-related competencies. This course provides terminology, culinary math, and practical experiences needed for the development of culinary competencies and workplace skills. Safety and sanitation instruction and classroom application will prepare students for an industry-recognized sanitation exam. Students will develop skills for every part of savory meal preparation: appetizers and salads, entrees, sides, and desserts utilizing a broad variety of cooking methods and exploring World cuisines. Baking and pastry arts competencies will include cake decorating, hors d'oerves, and breakfast cookery. Classroom and event experiences will develop skills to work in the front of the house, back of the house, including restaurant work stations. Additional content may include: following safety procedures, cleaning and sanitation, arranging services and serving guests, event planning, and customer service and relations. Students will be provided training experiences on commercial equipment.

CULINARY OCCUPATIONS 2 **Grades 11-12** **Elective** **Full Year** **6340**

Full Title: Culinary Occupations 2 (Food Service Occupations 2) (Professional Cook's Class 2)
Prerequisite: Culinary Occupations 1
This advanced course will continue developing the knowledge and skills begun in Culinary Occupations 1. Culinary Occupations 2 places special emphasis for students to develop operational management skills including concept analysis, menu development, restaurant cost controls, human relations, and personnel training and supervision. Additional topics include: advanced safety procedures, utilizing quantity food equipment, utilizing and scaling quantity food recipes, preparing food in quantity, serving guests, food cost accounting; managing inventory; marketing; monitoring consumer and industry trends; and developing additional competencies of classic culinary methods and techniques. Training experiences involve equipment and facilities simulating those found in business and industry.

EXPLORING CAREERS IN EDUCATION **Grades 9-12** **Elective** **Semester** **6420**

This course provides students with the opportunity to explore occupations in the field of education. Students will observe, conduct interviews, research, and present findings on current school personnel and professionals. Students will study the history of education, while evaluating societal issues and concerns and their impact on schools, learning, and communities.

EDUCATIONAL METHODS **Grades 10-12** **Elective** **Semester** **6440**

This course provides students the opportunity to develop skills to instruct and guide in the field of education. The course allows students to create and develop teaching objectives, design lesson plans, and experience teaching in a controlled environment. Students will examine and practice teaching strategies, learning styles, time management and planning strategies, presentation and questioning skills, classroom management, and evaluation techniques. Students will explore opportunities in education careers and develop/expand their career portfolio.

HUMAN DEVELOPMENT **Grades 10-12** **Elective** **Full Year** **6450**

Additional Information: Dual Credit JALC EDC202 (earned in the 2nd semester)
This course is an overview of the four major areas of development and learning from conception through the adult lifespan. Content includes physical, social, emotional, and cognitive development, along with the interactions among the areas. The course will examine theoretical and research-based understandings of principles of human development as well as dynamics of human behavior and social relations.

NUTRITION AND CULINARY ARTS 1 **Grades 9-12** **Elective** **Semester** **6310**

This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition for people of all ages. Course content encompasses food service and preparation management using the decision-making process; meeting basic needs by applying nutrition concepts; meeting health, safety, and sanitation requirements; maximizing resources when planning/preparing/preserving/serving food; applying hospitality skills; analyzing nutritional needs in relation to change; and careers in nutrition and culinary arts, including entrepreneurship investigation.

NUTRITION AND CULINARY ARTS 2 **Grades 9-12** **Elective** **Semester** **6320**

Prerequisite: Nutrition and Culinary Arts 1

Nutrition and Culinary Arts 2 provides principles of application into the hospitality industry, including nutrition, culinary, and entrepreneurial opportunities. Course content includes the following: selection, purchase, preparation, and conservation of food, dietary needs and trends, regional & international cuisine, safety and sanitation, and careers in food service industries. All of these concepts can be interpreted through laboratory experiences.

PARENTING **Grades 10-12** **Elective** **Semester** **6405**

Parenting addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants, children, and teens. This class is designed to help students think through the responsibilities, satisfactions, and stresses of parenthood. Special attention is given to the needs of teenage parents and the importance of readiness for parenthood. Students in this course will participate in the pregnancy belly-profile project and the infant-simulator project.

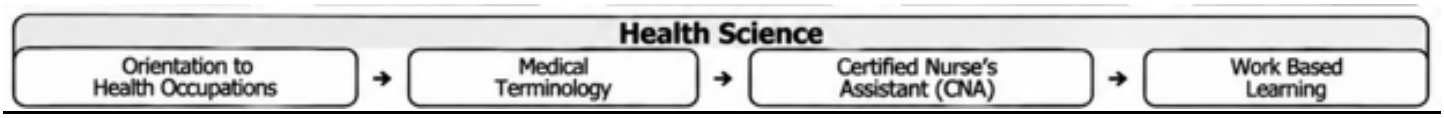
SCHOOL AND SOCIETY **Grades 11-12** **Elective** **Semester** **6430**

Additional Information: Dual Credit JALC EDC203

This course provides students with strategies and skills to converse and engage with people of diverse backgrounds and cultures. Course topics include: methods of creating an environment of respect and rapport, recognizing the need for cultural competence to support all students for success; acknowledging, responding, and celebrating diverse cultures; identifying, reflecting, and countering students' own identities and implicit biases; and teaching students the skills to advocate effectively within a school community and society.

CTE - HEALTH OCCUPATIONS TECHNOLOGY

Course Pathway



CERTIFIED NURSING ASSISTANCE (CNA) Grades 11-12 Elective Semester 6920

Prerequisite: Orientation to Health Occupations with a grade of C or higher.
Additional information: 2 class periods, Dual Credit JALC NAD101
Students must take the Accuplacer exam and score 233 or higher on Reading comprehension. Students must also have a 2-step Tb test before beginning the program. There is a $85 state certification exam fee (this cost may increase at the discretion of IDPH as the exam is updated.) Students must have a social security number or ITIN number and be able to show their card. **Excellent attendance is mandatory. Students must provide their own transportation to the health care site.** A minimum of 80 classroom hours and 40 clinical hours outside of the classroom are required. The course is composed of a combination of subject matter and experiences designed to perform tasks of individuals receiving nursing services. The student learns those competencies needed to perform as a nurse assistant under the direction of the registered nurse. The units of instruction should include the role of the nurse assistant while covering general health care topics: medical terminology; patients/clients and their environment; special feeding techniques; psychological support and, in long term and terminal illness, death and dying (e.g., chronically ill, children, new mothers, etc.); and all other basic nursing skills. Topics covered typically include normal growth and development, feeding, transporting patients, hygiene, and disease prevention; basic pharmacology; first aid and CPR; observing and reporting; care of equipment and supplies; doctor, nurse, and patient relationships and roles; procedure policies; medical and professional ethics, and care of various kinds of patients. To have an approved nurse assistant program (students are eligible to sit for the certifying exam) the program must be approved by the Illinois Department of Public Health.

MEDICAL TERMINOLOGY Grades 11-12 Elective Semester 6910

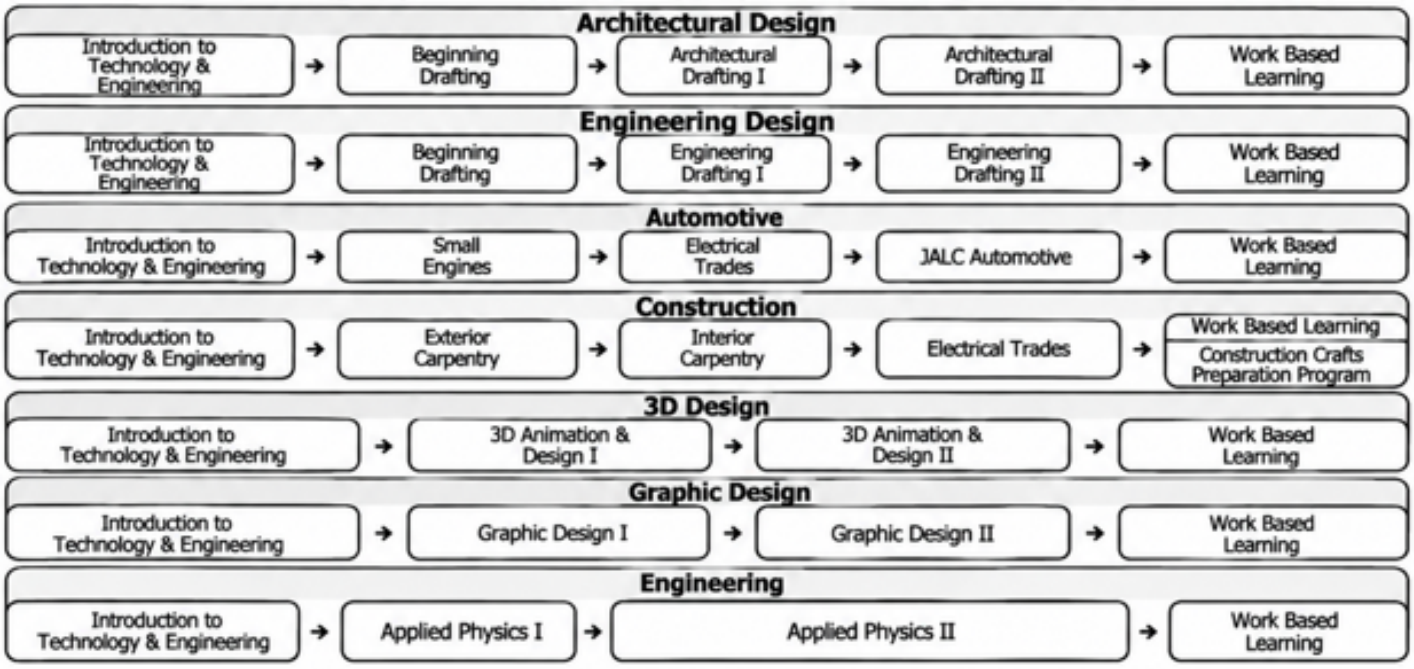
Additional Information: Dual Credit JALC HIT217
This is an introduction to medical terminology which includes word building principles; basic anatomy and physiology; key anatomical and physiological terms; combining forms, suffixes and prefixes. In addition, students will learn to listen critically for important terms, respond to others using medical terminology and generate their own terminology-rich writing and speech.

ORIENTATION TO HEALTH OCCUPATIONS Grades 10-12 Elective Semester 6900

Excellent attendance is mandatory. Students must provide their own transportation to the job shadowing site, if applicable. The course should expose students to the variety of opportunities available within the healthcare industry (e.g. nursing, therapy, vision and dental care, administrative services, and lab technology) which should include classroom and community-based activities. The main purpose of this course is to assist students in further development of their self-concept and in matching personal abilities and interests to a tentative career choice. The suggested course content should provide in-depth information into health occupations careers and trends, the occupational and educational opportunities and the educational, physical, emotional and attitudinal requirements.

CTE - INDUSTRIAL TECHNOLOGY

Course Pathways



3D ANIMATION AND DESIGN 1 Grades 10-12 Elective Full Year 6640

The 3D animation and design course is designed to provide students with a fundamental knowledge of 3D modeling (drawing). Application of surface materials, textures and basic animation will be included. This class will involve individual and group projects based on student interests, i.e.…special effects for film, architecture, engineering design and advertising. Integration of fundamentals using 2D to 3D visualization methods and solid modeling techniques will be explored exposing students to up-to-date industry standard practices in 3D drawing. This digital graphics course provides students with the opportunity to use the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Course topics include modeling, simulation, animation, and image retouching.

3D ANIMATION AND DESIGN 2 Grades 11-12 Elective Full Year 6645

Prerequisite: 3D Animation and Design 1

This course continues the development of student's skills in the area of 3D animation and design. Students will develop skills to work in teams to develop a production for advertising, architecture, or film. Digital Graphics course provides students with the opportunity to use the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Course topics include modeling, simulation, animation, and image retouching.

ARCHITECTURAL DESIGN DRAFTING 1 **Grades 11-12** **Elective** **Full Year** **6710**

Additional Information: Dual Credit JALC CMG218

Prerequisite: Beginning Drafting & Design

This course is designed to provide students interested in a career in Architecture with information and practical experience needed for the development of job-related competencies. Students are made aware of the career opportunities available in the Architectural Drafting and Architectural Drafting CAD - CADD field. Instruction is provided in the areas of planning and organizing activities, researching information, performing general office procedures, preparing of preliminary drawings, basic layout, detail drawings, reproduction techniques, producing working drawings, and computer aided drafting. Students are also provided with instruction in producing architectural drawings in the areas of presentation, floor plans, illustration of landscape features, sketching preliminary floor plans, drawing foundation plans and sections, exterior elevations, stair sections, chimney sections, roof sections, finish schedules, preparing plumbing, HVAC and electrical plans, and structural drawings. Honors credit requires extra coursework.

ARCHITECTURAL DESIGN DRAFTING 2 **Grade 12** **Elective** **Full Year** **6720**

Prerequisite: Architectural Drafting 1

Instruction is provided in the areas of locating information using computer data files, determination of materials and availability, project conferences, checking plan dimensions, drawing schematic sketches, preparing scale sketches, producing drawings from written/verbal instructions, application of coordinate dimensioning standards, creating drawings using a plotter/printer, producing renderings and/or charts and graphs, and common plan features. Instruction is also provided in the areas of drawing framing plans, wall sections, fireplace sections, door sections, door and window schedules, dimensioning structural steel drawings, constructing column detail drawings, preparation of structural foundation, slab and floor plans, drawing electrical, block, schematic, and electrical connection drawings. Skills relating to CAD include preparation of a basic CAD drawing, building and editing a data base, developing a 3-dimensional drawing and selecting appropriate line work, line weight, and color. Honors credit requires extra coursework.

AUTOMOTIVE DUAL CREDIT PROGRAM

See Off Campus-Dual Credit Section

BEGINNING DRAFTING AND DESIGN **Grades 10-12** **Elective** **Full Year** **6700**

Beginning Drafting is an introductory level drafting course. During this course students will learn the basic fundamentals of drafting and/or computer aided drafting (CAD). The instruction will include the care and use of drafting equipment, freehand sketching, orthographic projection, lettering techniques, dimensioning standard, pictorial drawings, drawing reproduction, and an introduction to CAD.

CARPENTRY EXTERIOR **Grades 10-12** **Elective** **Semester** **6810**

This course is designed to introduce students to the Carpentry/Carpenter occupation. Students are instructed in areas of safety, including hand tool, power tool, ladder, scaffolding and these of safety harnesses. Students are introduced to the theoretical knowledge needed to lay out rafters, stairs, and basic framing techniques. Students demonstrate knowledge of blueprint reading, including foundations, concrete, floor plans, specification schedules, and electrical, plumbing and mechanical symbols. Students demonstrate entry-level skills in all facets of residential construction. Technology-related mathematics, reading, writing, vocabulary, blueprint reading, and science are integrated throughout the curriculum. Students that finish all assignments for OSHA training will receive a 10 hour OSHA Construction Industry certification upon completion.

CARPENTRY INTERIOR **Grades 10-12** **Elective** **Semester** **6820**

This course provides learning experiences related to the erection, installation, maintenance and repair of building structures and related utilities. Students are instructed in areas of safety, including hand tool, power tool, ladder, scaffolding and the use of safety harnesses. Students demonstrate knowledge of exterior trim and finishes, energy conservation in residential construction, and design of stairs and rafter building. Students gain knowledge of planning and zoning regulations and building codes. Students are introduced to estimating both materials and construction costs, and demonstrate basic knowledge in applying drywall materials, stair-building skills, designing and erecting wall partitions, applying roofing materials, and installing common siding and interior finish. Technology-related mathematics, reading, writing, vocabulary, blueprint reading, and science are integrated throughout the curriculum. Students that finish all assignments for OSHA training will receive a 10 hour OSHA Construction Industry certification upon completion.

ELECTRICAL TRADES **Grades 11-12** **Elective** **Semester** **6610**

Additional Information: Dual Credit JALC ELT102

This course is designed to provide students with instruction and training in areas that prepare them to enter the electrical trades. Areas of instruction include electrical theory, circuit design and operation, the national electrical code, blue print reading, construction blue print interpretation, and test equipment usage. Students plan and organize wiring tasks, and gain practical experience by wiring mock-ups and trainers. Students become familiar with tools, materials, and methods used in residential wiring. Students troubleshoot circuits for faulty operation and make repairs. Specific studies include AC and DC theory, series and parallel circuits, motor and generator theory, motor controls, lighting and appliance wiring, low voltage wiring, testing and repair.

ENGINEERING / MECHANICAL DRAFTING 1 **Grades 11-12** **Elective** **Full Year** **6730**

Prerequisite: Beginning Drafting & Design

This course introduces students to layout to scale using specified tolerance, preparing detail drawing for individual parts from drawings, layout and creating assembly drawings, and preparing mechanical orthographic subassembly drawings. This course also includes a sequence of CAD experiences in 2-dimensional and 3-demensional drawing generation to include vocabulary development, system operation, entity creation, dimensioning and text insertion, plotting, three dimensional coordinate system, 3-D parts detailing and assembly drawings, wire frame models, and system management relative to hard disk and tape storage systems. Honors credit requires extra coursework.

ENGINEERING / MECHANICAL DRAFTING 2 **Grade 12** **Elective** **Full Year** **6740**

Prerequisite: Engineering / Mechanical Drafting 1

Instruction is provided in the areas of identifying appropriate interfacing personnel (internal/external), producing renderings and project time schedules, producing structural working drawings as structural steel plans, dimension structural steel drawings, and draw beam connections, and producing electrical and electronic working drawings as electrical and electronic schematic diagrams. Additional skills introduced in this program include determining the requirements of a specific drafting job, preparing preliminary drawings such as freehand, isometric, orthographic, and oblique sketches; preparing detail drawings such as creating assembly drawings, orthographic projections, sectional views, auxiliary views, isometric views and letter drawings; producing mechanical working drawings such as detailing components of mechanical orthographic assembly and subassembly drawings; using CAD command processes as preparing a basic CAD drawing, start up, log on, retrieve, save, log off and shut down CAD system; creating disk files, copying disk files, and generating a grid on drawing. Honors credit requires extra coursework.

GRAPHIC DESIGN 1 **Grades 10-12** **Elective** **Semester** **6650**

This course will provide an introduction to various methods of communication technology. The course content will include design, layout, digital photography, bindery operations, scanning, screen-printing, and employment and post-secondary school graphic communication opportunities.

GRAPHIC DESIGN 2 **Grades 10-12** **Elective** **Semester** **6655**

Prerequisite: Graphic Design 1

This course will provide advanced training in all areas of communication technology production and program safety in simulated commercial shop conditions. The course content will include graphic design, advanced desktop publishing, electronic imaging, binding and finishing, and silkscreen printing. Emphasis will be given to professionalism, problem solving skills, and working with a production system. Career and post-secondary educational opportunities will be discussed.

INTRO TO TECHNOLOGY AND ENGINEERING **Grades 9-10** **Elective** **Full Year** **6600**

Introduction to Technology & Engineering is comprised of the following areas: Production, Transportation, Communication, Energy Utilization and Engineering Design but is not limited to these areas only. This course will cover the resources, technical processes, industrial applications, technological impact and occupations encompassed by that system.

APPLIED PHYISCS 1 **Grades 10-12** **Elective** **Full Year** **6670**

Formerly Principles of Technology 1

Prerequisite: Completion of Algebra 1 or IAG 2

Additional Information: Taught as a CTE course; qualifies as a lab science credit.

Applied Physics is a hands-on lab science course that answers questions like these by showing how force, work, resistance, rate, and energy drive the machines and systems we use every day. Students study these principles across four systems (mechanical, fluid, electrical, and thermal) and discover that the same core ideas explain all of them. About half of the course is spent in the lab, using tools such as multimeters, pressure gauges, and spring scales, and completing team design challenges in which students build and test bridges, boats, and race cars. Throughout the course, students see how technicians, engineers, and tradespeople use physics on the job. Applied Physics is a great fit for students interested in engineering, automotive, electrical, HVAC, construction, or any career where understanding how things work matters.

APPLIED PHYSICS 2 **Grades 11-12** **Elective** **Full Year** **6680**

Formerly Principles of Technology 2

Prerequisite: Applied Physics 1

Additional Information: Taught as a CTE course; qualifies as a lab science credit.

Applied Physics 2 picks up where Applied Physics 1 left off, taking students deeper into the physics behind modern technology. Topics include momentum, waves and vibrations, energy converters, transducers and sensors, radiation, light and optical systems, and time constants, all applied to real mechanical, fluid, electrical, and thermal systems. As in Applied Physics 1, about half of the course is hands-on lab work, with an emphasis on measuring, testing, and troubleshooting real equipment. Students build knowledge and skills that transfer directly to post-secondary technical programs, engineering, and the skilled trades.

ROBOTICS **Grades 10-12** **Elective** **Semester** **6630**

This course will teach the scientific methodology as it is applied to problem solving. Students will learn about analog and digital information, integration of basic electrical concepts, fabricating and building prototypes, embedded systems and artificial intelligence. Electro-Mechanical Systems courses provide students with instruction and experience in components and equipment that use electricity and the power of physical forces. Students gain an understanding of the principles of electricity and mechanics and their application to gears, cams, levers, circuits, and other devices used in the manufacturing process or within manufactured goods. Topics covered in the course may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers. 1st semester focuses on mechanics and the engineering design process. 2nd semester focuses on programming, sensors, and motor control.

SMALL ENGINES **Grades 10-12** **Elective** **Semester** **6690**

Small engine repair is an instructional program that prepares individuals to troubleshoot, service, and repair a variety of small internal-combustion engines, involving both two and four cycle engines used on portable power equipment. Planned activities will allow students to become knowledgeable of fundamental principles and technical skills related to troubleshooting, repairing, identifying parts and making precision measurements. Safety will be a key component of this class. Students will also be exposed to career opportunities related to small engines.

WELDING 1 **Grades 10-12** **Elective** **Semester** **6800**

This course assists students in gaining the knowledge and developing the basic skills needed to be successful in welding technology. Units of instruction include focusing on metal preparation/cutting methods, SMAW (stick welding) and OFC (oxyfuel cutting). Students will learn basic joint construction and learn how to weld in the four basic positions. In addition, students learn the basics of blueprint reading, precision measuring, layout, and production process planning. GMAW (MIG welding) will be introduced.

WELDING 2 **Grades 10-12** **Elective** **Semester** **6802**

Prerequisite: Welding 1

This course builds on the skills and concepts introduced in Welding 1 and will focus on learning the GMAW (MIG welding) and FCAW (flux core wire welding) process. Students will build on their skills on OFC (oxyfuel) cutting as well as learn PAC (plasma) CNC and hand cutting techniques. They will continue to refine their knowledge in blueprint reading and welding symbols. GTAW (TIG welding) will be introduced.

WELDING 3 **Grades 11-12** **Elective** **Semester** **6803**

Prerequisite: Welding 2

This course builds on the skills and concepts introduced in Welding 1 & 2 and will focus on learning the GTAW (TIG welding) process. Students will expand their skills in OFC (oxyfuel) and PAC (plasma cutting), blueprint reading and welding symbols. Alternative materials like stainless steel and aluminum will be introduced.

WELDING 4 **Grades 11-12** **Elective** **Semester** **6804**

Prerequisite: Welding 3

This course builds on the skills and concepts introduced in Welding Technology I, II, & III and provides more in-depth skill development in various types of welding including horizontal, vertical, overhead, and circular techniques. Students will also be introduced to alternative materials like stainless steel and aluminum. Students will learn to fabricate parts using blueprint reading skills.

ENGLISH

ENGLISH 1 Grade 9 Required Full Year 1091/1092/1093

English 1 is a foundational, year-long course aligned to the Illinois 9–10 ELA Standards, designed to strengthen students' skills in close reading, analytical writing, effective communication, and critical reasoning. Students begin with diagnostic assessments to determine appropriate placement and to set a baseline for growth, then move into rich literary study—starting with short fiction and building to novels, poetry, Shakespeare, and mythology—where they learn to identify literary devices, analyze theme and figurative language, and craft clear, defensible analytical claims. The course also places a strong emphasis on speaking and listening, with structured discussions, collaborative activities, and presentations that help students communicate their ideas confidently and respectfully. Students engage in ongoing independent reading with self-selected books to cultivate personal interests, stamina, and a lifelong love of reading and learning. Throughout the year, students develop essential academic habits, including MLA format, responsible digital communication, and a step-by-step writing process that supports clear thinking and thoughtful argumentation.

ENGLISH 2 Grade 10 Required Full Year 1101/1102/1103

English 2 is a year-long, standards-aligned course designed to build directly on the foundation students developed in English 1 while meeting the full expectations of the Illinois 9–10 ELA Standards. In this course, students grow into confident academic writers by mastering multi-paragraph essay structure, strengthening their use of textual evidence, and developing clear, purposeful analytical claims. They move beyond basic literary study into deeper rhetorical analysis, learning how authors use ethos, logos, pathos, diction, and structure to shape meaning and influence audiences. Students also expand their reading skills through novels, drama, memoir, nonfiction, and student-selected independent reading, building their ability to compare texts, understand historical and cultural contexts, and recognize how language creates tone and theme. Speaking and listening are integral to the course: students participate in structured discussions, seminars, debates, and presentations to refine their communication skills and strengthen critical reasoning. By the end of English 2, students will have a strong command of MLA citation, responsible digital literacy, collaborative learning, and a writer's toolkit that prepares them for upper-level English courses.

ENGLISH 3 Grade 11 Required Full Year 1111/1112/1113

English 3 is a rigorous, college- and career-preparatory course aligned to the Illinois 11–12 ELA Standards that immerses students in the major movements of American literature, which parallels their concurrent American History course, while strengthening the advanced research and writing skills needed for upper-level study. Building on the analytical and argumentative foundations of

English 1 and 2, students now examine literature in close parallel with U.S. historical eras—from Native American storytelling and Puritan writings, through Romanticism, Realism, Modernism, and into Postmodern and contemporary voices. Students learn to evaluate how authors respond to, reflect, and critique their historical moment, using political, cultural, and philosophical lenses to deepen understanding. A major emphasis of English 3 is research: students develop focused research questions, evaluate sources using GALE and other databases, practice lateral reading for credibility, and synthesize multiple texts into clear, thesis-driven writing. Speaking and listening skills are strengthened through seminars, debates, presentations, and collaborative discussions that require students to articulate claims, build on peers' ideas, and cite evidence in real time. Independent reading continues to support student choice, reading stamina, and personal growth as learners. By the end of the course, students will be confident writers capable of producing polished research, insightful literary analysis, and academic prose that demonstrates strong reasoning, clear structure, and command of style.

ENGLISH 4 Grade 12 Required Full Year 1121/1122/1123

Additional Information: Section 1121 receives dual credit JALC ENG101 and ENG102 (student must have a passing Accuplacer or ACT/SAT score to receive the dual credit); Section 1122 & 1123 satisfies JALC ENGL 052/053 remedial English credit.

English 4 is a capstone, standards-aligned course built around the Illinois 11–12 ELA expectations, and it is intentionally designed to prepare seniors for their next steps—whether entering college, pursuing career training, or moving directly into the workforce. Because students are placed into different English 4 pathways based on prior coursework, test scores, and post-graduation goals, each section emphasizes the advanced communication, reading, and writing skills most relevant to students' futures. In the dual-credit section, students complete college-level composition work and may earn six hours of transferable credit by meeting John A. Logan College requirements. In the college-prep and career-readiness sections, students strengthen practical communication skills—professional emails, résumés, interviews, reflective writing, and workplace documentation—while continuing to analyze literature and express ideas clearly and confidently. Across all English 4 courses, students refine close-reading skills, engage in meaningful discussions, and practice sophisticated writing aligned to real-world purposes. Shakespearean drama is included to ensure students experience complex canonical texts and can analyze language, structure, and performance. Independent reading, research, speaking and listening, and reflective practice all support the course's overarching goal: helping students develop the lifelong communication, reasoning, and literacy skills they will carry into adulthood.

HONORS ENGLISH 2 Grades 10 Elective Full Year 1100

Students in the 9th and 10th grade English classes who have shown specific academic aptitude and creativity are recommended for Honors class for the following year. Teachers make their recommendations on the basis of intellectual ability and achievement; a checklist which includes aptitude and skill in oral and written communication, ability to work with abstract concepts, ability to work independently, ability to think logically and critically, and motivation, among other items, is also employed. The department's teacher recommendation committee reviews student folders, which contain samples of writing, exams and other relevant material and makes final recommendations.

HONORS/AP ENGLISH 3 Grade 11 Elective Full Year 1120

Additional Information: Dual Credit JALC ENG101 & ENG102.

Prerequisite: To receive dual credit, student must have a passing Accuplacer or ACT/SAT score.

AP/Honors English III offers students a challenging exploration of American voices, ideas, and identities while developing the reading, writing, and reasoning skills emphasized in AP English Language and Composition. Through diverse fiction, nonfiction, poetry, speeches, and visual texts, students examine how historical context shapes ideas and how writers use language to influence audiences. Students learn to analyze arguments, evaluate credible sources, bring together evidence from multiple perspectives, and develop clear, persuasive arguments of their own. Seminar discussions, presentations, creative projects, and frequent writing and revision encourage students to think independently and communicate thoughtfully. Students considering this course should be ready to engage with complex texts, complete summer and independent reading, contribute actively to discussions, and strengthen their writing through sustained effort and feedback.

HONORS/AP ENGLISH 4 Grade 12 Elective Full Year 1120

Additional Information: Dual Credit JALC ENG101 & ENG102.

Prerequisite: To receive dual credit, student must have a passing Accuplacer or ACT/SAT score.

Students will engage with world literature, literary theory, and major canonical texts while developing college-level writing and research skills. The curriculum emphasizes close reading, analytical writing, and synthesis of multiple perspectives. Students will produce a variety of formative writing assignments and in-class summative assessments, as well as a major research-based project and a cumulative, reflective portfolio of writing.

ENGLISH AS A SECOND LANGUAGE (ESL) Grades 9-12 Required Full Year 9701/9702/9703/9704

English as a Second Language is available at each grade level for qualifying students.

FINE ARTS – VISUAL ARTS

Course and Career Pathways

***Due to potential scheduling issues, multiple courses are listed for each year. Students should work with their counselors to take the classes that fit best into their schedules.

CAREER PATH	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Studio Artist	Art; Ceramics, Sculpture, Photography	Advanced Art; Advanced Ceramics	Art Studio; Ceramics; Art Appreciation	Honors Art Studio; Photography or Sculpture Studio
Sculptor / 3-D Artist	Sculpture; Art	Advanced Sculpture; Ceramics	Sculpture Studio; Advanced Ceramics; Drafting	Sculpture Studio; Ceramics; Art Studio
Visual Art Educator	Art; Ceramics, Sculpture, Photography	Advanced Art; Exploring Careers in Education	Art Studio; Art Appreciation; Educational Methods	Honors Art Studio; Ceramics; School and Society
Ceramics Artist / Potter	Ceramics; Art	Advanced Ceramics; Advanced Art	Ceramics; Art Studio	Ceramics; Honors Art Studio; Sculpture Studio
Photographer	Photography; Art	Advanced Photography; Graphic Design 1	Photography Studio; Graphic Design 2; Multimedia Development 1	Photography Studio; Art Studio; Multimedia Development 2
Graphic Designer	Art; Tech for Success	Advanced Art; Graphic Design 1	Art Studio; Graphic Design 2; Multimedia Development 1	Honors Art Studio; Multimedia Development 2; Marketing
Animator / Digital Artist	Art; Intro to Technology & Engineering	Advanced Art; 3-D Animation & Design 1	Art Studio; 3-D Animation & Design 2; Multimedia Development 1	Honors Art Studio; Multimedia Development 2; Computer Science

BUILD YOUR PORTFOLIO • Save strong work from every year. Photograph 2-D and 3-D projects, participate in exhibitions, and prepare an artist statement. Digital careers benefit from a project reel or online portfolio.

HOW TO USE THESE MAPS

- Choose a career that interests you, then use its row as a starting point for course requests.
- Keep graduation requirements and college-preparatory academics in your schedule.
- Check course prerequisites, grade eligibility, availability and conflicts with your counselor.
- Use performances, exhibitions, competitions and portfolios to strengthen college applications.

PLANNING NOTE • These are suggested elective sequences—not guaranteed schedules or college admission requirements. Some courses may be semester-long, repeatable, dual credit, or subject to prerequisites. Course names and offerings should be verified against the current CCHS Course Description Guide before publication.

ART **Grades 9-12** **Elective** **Semester** **7000**

Early Bird Option (7001)

Students in this course learn the basics of the visual arts through the elements of art. Technical skills in two-dimensional materials will be emphasized. Students will apply the basic language of art to a variety of art processes. Exploration may include printmaking, sculpture, surface design and varied drawing and painting materials. Art history, criticism, and aesthetic will be included as it applies to the individual assignment.

ADVANCED ART **Grades 9-12** **Elective** **Semester** **7010**

Early Bird Option (7011)

Additional Information: May be repeated for credit.

Prerequisite: Art

Students will build on their prior technical skills and begin to explore art as a vital communication. Art concepts will be taught and emphasized. Through varied materials, students will be able to apply generalized concepts to their own work. This course may be repeated for credit.

ART STUDIO **Grades 11-12** **Elective** **Semester** **7020**

Early Bird Option (7021)
Additional Information: May be repeated for credit.
Prerequisite: Advanced Art, pass with a "B" or better.
Students continue the study of the visual arts through varied materials, techniques, historical and contemporary works of art and aesthetics. Students will begin to develop a personal vision and preference for a medium. Portfolio development will be emphasized. Participation in exhibitions will be recommended.

HONORS ART STUDIO **Grades 11-12** **Elective** **Semester** **7030**

Early Bird Option (7031)
Additional Information: May be repeated for credit.
Prerequisite: Art Studio with a "B" or better and teacher approval.
General course description is similar to Art Studio. There is an additional expectation of the student to exhibit work. Students will be able to prepare an artist's statement and analysis of their own work. Students in this class should have a high degree of self-motivation, good study skills and the ability to work independently, as well as, in group situations. Participation in exhibitions will be encouraged.

ART APPRECIATION **Grades 11-12** **Elective** **Semester** **7095**

Additional Information: Dual Credit JALC ART111
Art Appreciation is designed to develop interest, aptitude, and understanding through visual, verbal, and experience with art. A critical understanding of how we live in a world with visual art is included. This course emphasize exposure to the visual arts. Hands-on studio projects along with lecture and art history are important components of this class.

CERAMICS **Grades 9-12** **Elective** **Semester** **7040**

Early Bird Option (7041)
Students will study the art elements and principles through the medium of clay. Basic hand building construction methods of pinch, coil, and slab building will be used. Students also study clay preparation, glazing, historic and contemporary trends and aesthetics. Basic health and safety issues will be taught relative to the materials used.

ADVANCED CERAMICS **Grades 9-12** **Elective** **Semester** **7050**

Early Bird Option (7051)
Additional Information: May be repeated for credit.
Prerequisite: Fundamentals of Ceramics
Students will continue the study of the elements and principles of art through the medium of clay. Students will continue working on mastery of hand building techniques and will begin using the potter's wheel. Advanced students will develop a better understanding of the properties of clay and glazing as well as exploring sculptural techniques, and an emphasis on building a unique vision for their work. Basic health and safety issues will continue to be emphasized relative to the materials used.

COLLEGE CERAMICS **Grades 11-12** **Elective** **Semester** **7060**

Early Bird Option (7061)
Additional Information: Dual Credit JALC ART250
This is an introduction to fine arts ceramics. Hand building process is pinching, slab construction, and coil building will predominate with some opportunity for beginning wheel throwing. Projects will include both vessel making and sculpture. Students will gain familiarity with clay, slips, glazes, and simple firing techniques. In addition they will be introduced to the scope of historical and contemporary ceramic art. Basic health and safety issues will be taught relative to the materials used.

PHOTOGRAPHY **Grades 9-12** **Elective** **Semester** **7070**

Students will be exposed to the various disciplines within photography and gain a comprehensive knowledge of the Elements of Art, basic composition skills, traditional and alternative photographic techniques. Students will demonstrate increasing knowledge and skills through experimentation, project success and failure, reflections and critiques. We will study and respond to photography looking through various lenses. Students will rely on their smartphone cameras and creative editing apps to create impactful photographic imagery.

ADVANCED PHOTOGRPAHY **Grades 9-12** **Elective** **Semester** **7080**

Prerequisite: Photography with a C or better.

This course will expand on Photography concepts as well as introduce the principles of design. Students will learn how to effectively use high quality and powerful technology with DSLR cameras, accessories, as well as dive into advanced Adobe editing software. This will be an individualized in-depth study based on student interest within a discipline of photography. Students will also have the opportunity to practice their skills in the world with monthly field trips around Southern Illinois. The ultimate goal of this part of the journey is for students to develop a proficient understanding of photography and its technology, cultivate interest and personal identity as well as their place within the arts and the world.

PHOTOGRPAHY STUDIO **Grades 10-12** **Elective** **Semester** **7085**

Prerequisite: Photography & Advanced Photography

At this level of photography students will be building an art portfolio to help them apply for college and/ or jobs. Students will alternate between student-led individualized projects based on their interests and passion, and an emphasis on exposing students to more advanced techniques, alternative processes, and more specialized styles of photography to help them grow their breadth of knowledge in photography.

SCULPTURE **Grades 9-12** **Elective** **Semester** **7090**

This is a class designed for students who have an interest in working in the 3rd Dimension and gives students experience in making sculptural as well as functional pieces, using a variety of materials and techniques. This course is continually growing and gives students the opportunity to work with metal, wood, stone, recycled material, and more. This course will exercise the students' knowledge of the formal elements and principles of 3D composition. Sculpture will stretch the students' minds and encourage them to connect form with function, concept with craftsmanship, tools, and materials. They will develop an artistic voice to produce art with purpose, personal and societal meaning. This course will also establish and refine leadership skills and qualities within each student as well as making connections and authenticity in the community and within the studio.

ADVANCED SCULPTURE **Grades 9-12** **Elective** **Semester** **7091**

Prerequisite: Fundamentals of Sculpture

This is a class designed for students who have a continued interest in working in the 3rd Dimension and gives students experience in making sculptural as well as functional pieces, using a variety of materials and techniques. This course will build on the students' knowledge of the formal elements and principles of 3D composition. As an advanced sculpture student, they will be able to craft more personal projects and dive deeper into the materials and techniques offered; allowing them to experiment with more challenging, complex and specialized processes.

SCULPTURE STUDIO **Grades 10-12** **Elective** **Semester** **7092**

Prerequisite: Advanced Sculpture

At this level of sculpture students will be building an art portfolio to help them apply for college and/ or jobs. Students will alternate between student-led individualized projects based on their interests and passion, and an emphasis on exposing students to more advanced techniques and alternative materials to help them grow their breadth of knowledge in sculpture.

FINE ARTS – INSTRUMENTAL MUSIC

Course and Career Pathways

***Due to potential scheduling issues, multiple courses are listed for each year. Students should work with their counselors to take the classes that fit best into their schedules.

CAREER PATH	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Instrumental Music Teacher	Band / Competitive Band; Piano	Honors Band; Advanced Piano	Honors Band; Jazz Ensemble; Educational Methods, Choir	Honors Band; Choir, Jazz Ensemble; School and Society
Professional Musician	Band; Piano; Beginning Guitar	Honors Band; Advanced Piano	Jazz Ensemble; Advanced Strings; Music Appreciation	Jazz Ensemble; Advanced Strings; Hip-Hop Production
Choral Music Teacher	Choir; Piano; Speech	Honors Choir; Advanced Speech	Honors Choir; Band, Advanced Piano; Educational Methods	Honors Choir; Band, School and Society
Professional Singer	Choir; Piano; Theatre	Honors Choir; Advanced Theatre	Honors Choir; Speech; Music Appreciation	Honors Choir; Advanced Theatre; Creative Writing
Musical Theatre Performer	Theatre; Choir; Speech	Advanced Theatre; Honors Choir; Piano	Advanced Theatre; Honors Choir; Advanced Speech	Advanced Theatre; Honors Choir; Advanced Piano
Studio Musician / Recording Artist	Band or Choir; Piano; Hip-Hop Production	Jazz Ensemble or Honors Choir; Multimedia Development 1	Hip-Hop Production; Multimedia Development 2; Music Appreciation	Advanced Piano; ensemble; recording portfolio
Sound Engineer / Audio Producer	Hip-Hop Production; ensemble; Intro to Technology & Engineering	Multimedia Development 1; Computer Science I	Multimedia Development 2; Computer Science II	Advanced multimedia project; 3-D Animation; Business

BUILD YOUR EXPERIENCE • Join ensembles every year when possible. Prepare audition repertoire, learn music theory, and keep recordings of your work. Future music educators should explore teaching opportunities.

HOW TO USE THESE MAPS

- Choose a career that interests you, then use its row as a starting point for course requests.
- Keep graduation requirements and college-preparatory academics in your schedule.
- Check course prerequisites, grade eligibility, availability and conflicts with your counselor.
- Use performances, exhibitions, competitions and portfolios to strengthen college applications.

PLANNING NOTE • These are suggested elective sequences—not guaranteed schedules or college admission requirements. Some courses may be semester-long, repeatable, dual credit, or subject to prerequisites. Course names and offerings should be verified against the current CCHS Course Description Guide before publication.

CONCERT BAND I **Grades 9-12** **Elective** **Year/Sem** **7100**

Prerequisite: 1 year previous study on band instrument or consent of the instructor.
This course is intended for **all freshman students**, students who need to develop beginning or intermediate instrument skills, or students that cannot commit to the additional time requirements for Concert Band II. Fall semester is spent in parade and field drill with concentration on local performances. After school time is required for two fall semester rehearsals in addition to weekend performances at 4-5 CCHS football games, 3 CCHS basketball games, and 3 local parades. Concert season begins in October and concentrates on the study and performance of standard concert band literature with concerts in December and April and spring semester marching training. Students of this group performed with the pep band for home football and basketball games. This course may be taken to fulfill PE requirements. **Students interested in participating in the competitive field show may do so, but must attend all evening requirements for Concert Band II and summer band camp.**

BAND (PERCUSSION) **Grades 9-12** **Elective** **Full Year** **7120**

Prerequisite: 1 year previous study on band instrument or consent of the instructor.
Fall season begins with a summer camp occurring 2 weeks before school begins and is spent in parade and field drill with concentration on performance and competition. After school time is required for rehearsals in addition to extensive weekend performances and travel. In mid-October percussion class transitions to an independent ensemble performing Percussion literature (except for parades in December and late spring). All freshman percussionists should sign up for Concert Band I (This course may be taken to fulfill PE requirements.)

CONCERT BAND II **Grades 10-12** **Elective** **Full Year** **7110**

Prerequisite: 1 year previous study on band instrument or consent of the instructor.
Fall season begins with a summer camp occurring for 2 weeks before school begins and is spent in parade and field drill with concentration on performance and competition. After school time is required for rehearsals in addition to extensive weekend performances and travel. Concert season begins at the end of October and concentrates on the study and performance of standard concert band literature, 2-3 concerts, competition, and performance at the graduation ceremony. Students of this group also comprise the Pep Band for home football and basketball games. Percussionists should sign up for Band (Percussion). (This course may be taken to fulfill PE requirements.)

HIP-HOP PRODUCTION **Grades 9-12** **Elective** **Semester** **7190**

In this class students will learn about the cultural and historical significance of Hip Hop music in the United States and Worldwide. They will also learn how to use Digital Audio Workstation software and apply it to music performance. Students will develop beats and songs, eventually adding lyrics presented through rap or singing. The class uses a wide variety of activities including lecture, readings, poetry writing, recording, in class music labs, and assessments.

HONORS CONCERT BAND II **Grade 10-12** **Elective** **Full Year** **7111**

Prerequisite: Permission of instructor.
Honors band will be taught in conjunction with Concert Band II class and thus will contain all those course requirements in addition to requirements to research areas of musical interest, prepare audition for ILMEA All-District Ensemble, take at least one event to Solo and Ensemble contest, and complete service hours each quarter. (This course may be taken to fulfill PE requirements.)

JAZZ ENSEMBLE **Grades 9-12** **Elective** **Full Year** **7130**

Early Bird Only
Prerequisite: Audition.
This class is a performance ensemble which focuses on performance practices of the jazz musician. This group performs numerous required performances throughout the school year. Knowledge of music theory, improvisation and modern jazz styles are necessary for success. After school attendance at 5-6 events is required in addition to class time.

MARCHING GUARD **Grades 9-12** **Elective** **Semester** **7140**

Prerequisite: Audition will take place in Spring before the school year.
This group makes up the dance and flag element of Marching Band. Fall semester begins with a 2 week summer camp, which takes place during the final 3 weeks of summer and is spent in parade and field drill with concentration on performance and competition. After school time is required for rehearsals in addition to weekend performances and travel. Students wishing to participate in both advanced band and marching guard should sign up for the advanced band course second semester only. (This course may be taken to fulfill PE requirements.)

BEGINNING GUITAR **Grades 9-12** **Elective** **Semester** **7160**

This course addresses the needs of any student wishing to learn to play guitar. Students will learn to play from notation, chords and tab in first position. This course is a recommended prerequisite for guitarists in Advanced Strings.

ADVANCED STRINGS **Grades 9-12** **Elective** **Semester** **7180**

Prerequisite: Basic skills and understanding of the acoustic stringed instrument.
This course will focus on developing the ability to perform at a high degree of quality in the small ensemble and solo genres. It is open to players of other stringed instruments who are comfortable playing from written notation.

PIANO **Grades 9-12** **Elective** **Semester** **7150**

Prerequisite: None (No piano experience required)
This class is for any student wishing to learn or improve piano skills. Each student will receive an individualized piano lesson each week. Students do not need to have a piano at home as they will be able to practice daily in class. Students will also learn music theory, music history, and performance pieces.

ADVANCED PIANO **Grades 9-12** **Elective** **Semester** **7155**

Additional Information: May be repeated for credit.
Prerequisite: Previous piano experience and teacher recommendation
Advanced Piano will be taught in conjunction with Piano and the general course description and requirements are similar. In addition to those listed in piano, students in Advanced Piano will also be required to perform a piano solo in ISHA Solo and Ensemble Contest in March and compose an original piano piece. Students with experience playing piano can start in Advanced Piano.

MUSIC APPRECIATION **Grades 11-12** **Elective** **Semester** **7200**

Additional Information: Dual Credit JALC MUS105
Music Appreciation is designed to help students acquire informed listening skills which promote the development of curiosity about, an enthusiasm for and the enjoyment of many types of music. This includes emphasis on the elements of music, various musical forms and periods, and great composers and performers from antiquity through the 21st century. This course is focused on learning about music rather than performing it.

FINE ARTS – VOCAL MUSIC

CHOIR **Grades 9-12** **Elective** **Year/Sem** **7210**

Early Bird Option (7211)
This course is an introduction to choral singing at CCHS. Anyone interested in singing, regardless of experience, is welcome to join this ensemble. There will be an overview of singing technique, posture, and music reading. Students will sing a variety of styles of music and are required to participate in 2-3 performances in the evening which will include concerts, solo and ensemble contest, organizational contest, and graduation.

HONORS CHOIR **Grades 9-12** **Elective** **Year/Sem** **7220**

Early Bird Option (7221)
Prerequisite: Permission of the instructor
Honors Choir will be taught in conjunction with choir and will contain all of the choir requirements. In addition to choral concert attendance, students are required to prepare an audition for ILMEA District Festival Chorus, participate in at least one event at IHSA Solo and Ensemble Contest, and complete a service project each semester.

FINE ARTS – SPEECH AND THEATER

Course and Career Pathways

***Due to potential scheduling issues, multiple courses are listed for each year. Students should work with their counselors to take the classes that fit best into their schedules.

CAREER PATH	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Professional Actor	Theatre; Speech; Creative Writing	Advanced Theatre; Advanced Speech; Choir	Advanced Theatre; Creative Writing; Multimedia Development 1	Advanced Theatre; Advanced Speech; Multimedia Development 2
Theatre Educator	Theatre; Speech; Creative Writing	Advanced Theatre; Exploring Careers in Education	Advanced Theatre; Educational Methods; Creative Writing	Advanced Theatre; School and Society
Public Speaking Educator	Speech; Creative Writing; Theatre	Advanced Speech; Exploring Careers in Education	Advanced Speech; Educational Methods; Creative Writing	Advanced Speech; School and Society
Technical Theatre / Stage Designer	Theatre; Art; Intro to Technology & Engineering	Advanced Theatre; Drafting; Sculpture	Advanced Theatre; Graphic Design 1; Carpentry or Drafting	Advanced Theatre; Graphic Design 2; 3-D Animation
Arts Entrepreneur / Administrator	Art; Tech for Success	Advanced Art; Intro to Business; Multimedia Development 1	Art Studio; Marketing; Personal Finance	Art Appreciation; Graphic Design; Accounting or CEO

HOW TO USE THESE MAPS

- Choose a career that interests you, then use its row as a starting point for course requests.
- Keep graduation requirements and college-preparatory academics in your schedule.
- Check course prerequisites, grade eligibility, availability and conflicts with your counselor.
- Use performances, exhibitions, competitions and portfolios to strengthen college applications.

PLANNING NOTE • These are suggested elective sequences—not guaranteed schedules or college admission requirements. Some courses may be semester-long, repeatable, dual credit, or subject to prerequisites. Course names and offerings should be verified against the current CCHS Course Description Guide before publication.

SPEECH **Grades 9-12** **Elective** **Semester** **7300**

Early Bird Option (7301)

The class is designed to introduce students to the many areas of public speaking. Units covered include informative and persuasive speaking, small group communication, and non-verbal communication. Students will have the opportunity to perform in a variety of situations that will help develop their critical thinking, leadership and speaking skills. Since the course tends to be performance oriented, students enrolling should be articulate and show a keen interest in language arts.

ADVANCED SPEECH **Grades 10-12** **Elective** **Semester** **7310**

Early Bird Option (7311)

Prerequisite: A grade of C in Speech or teacher recommendation.

The class is designed to give students more opportunities to develop their communication skills. This class will focus mainly on building stronger presentation ability. However, strong verbal and written skills are still recommended. This course may be repeated for credit.

THEATRE **Grades 9-12** **Elective** **Semester** **7330**

Early Bird Option (7331)

This course is an introduction to basic principles of acting. Emphasis is on performance in workshop situations. Major areas of instruction are voice and articulation, pantomime, stage movement, improvisation, developing the role (scene study), creative dramatics, performance techniques and rehearsal skills. Rehearsal and performance is on both an individual and group level. This will be a lecture and lab course. A final performance is required for course credit.

ADVANCED THEATRE **Grades 10-12** **Elective** **Semester** **7340**

Early Bird Option (7341)

Prerequisite: Theatre or the consent of the instructor

This course is an opportunity for students to explore a variety of different acting experiences. Students will study both comedic, dramatic and improvisational performance. Additionally, the students will be given the opportunity to create original performances. These are performances that will be both written and performed by the student. Further, there will be an introduction to the technical side of theatre with experiences in both designing and running lights, and set building. By participating in this class, students will gain a stronger level of self-confidence and be more comfortable communicating in small and large group situations. This course may be repeated for credit.

CREATIVE WRITING **Grades 9-12** **Elective** **Semester** **1128**

Everybody's got a story to tell; this course will give students a chance to tell their story in multiple formats. Journaling will be used to help get the creative juices flowing. Students will write in a variety of genres, including poetry, short stories, comedic and dramatic scenes/sketches and children's stories. Along the way students in this course will take the lead in publishing CCHS's Quill Literary Magazine. Students will complete the class by compiling a portfolio of their writing. The portfolio will include completed shorter works and the beginnings of longer ones, including a full-length novel and an autobiography students may continue to work on after the semester ends. Hopefully, this class will inspire a love of writing, a lifetime of thinking outside the box and the confidence to share those thoughts in their future endeavors.

HEALTH & DRIVER EDUCATION

DRIVER EDUCATION **Grades 9-12** **Elective** **Semester** **9310/9320**

Early Bird Option (9330/9340)
Additional Information: 1/4 Credit
Prerequisite: The State of Illinois requires each student attending any public or non-public high school in the district to receive a passing grade in at least 8 courses during the previous 2 semesters prior to enrolling in a driver education course. At least one semester must come from their high school grades in meeting this requirement, the student will not be permitted to enroll in the course if this requirement is not met. A student must be at least 15 years old by the 5th day of class to enroll in the class.

This nine-week class will consist of classroom instruction in motor vehicle safety involving state motor vehicle laws, the state instruction permit examination, motorcycle safety, safe driving procedures, decision-making techniques, drug education, etc. Six hours of behind-the-wheel instruction is required and will be conducted by taking students out of Study Hall. Pending all other qualifications are met, a student's enrollment will be based on their birth date. Students who qualify for the free and reduced lunch program can apply for a fee waiver for the school lab fee only. The lab fee ($45.00) and the state fee ($20.00) need to be turned in by the end of the first 10 school days during the regular school year and by the end of the third day during the summer class. The quarter following classroom instructions, students will have an opportunity for behind-the-wheel instruction. During 1st and 3rd quarter, only four absences are allowed for any reason. During summer Driver Ed, only two absences are allowed for any reason. Students that do not meet the attendance policy will be removed from the class.

Students who do not complete the classroom portion before age 18 or during their time at CCHS have another way to get their license. Illinois law requires individuals who wish to get their license before age 21, to complete an educational course. This can be done online or in-person through an IL Secretary of State approved class once the individual has turned 18. The list of classes can be found at https://apps.ilsos.gov/adultdrivered/providerlist.
Prior to age 18, it must be done through the high school. Once the individual has turned 18 and completes an education course, they are eligible to get their license. They must take their vision, written, and driving test at the DMV in order to receive their license. Individuals who go on this route do not have to complete behind-the-wheel instructor hours.

HEALTH **Grade 9** **Required** **Semester** **9400**

Health is a one-semester course required for graduation. Primary emphasis is directed toward current health issues critical to the adolescent. Special attention is focused upon understanding the basic structure and function of the human body, nutrition and weight control, family living and human reproduction, communicable disease, emotional health, drug education, consumer and environmental health, safety, first aid, and CPR. It is the purpose of the course to encourage and guide students to a better understanding of themselves and to contribute to their ability to achieve optimal physical, emotional and social well-being. There are no prerequisites and all health classes are coeducational.

MATHEMATICS

COURSE SEQUENCES

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Integrated Alg/Geom 1	Integrated Alg/Geom 2	Integrated Alg/Geom 3	Transitions to Quant Lit *or* Contemp Math
Algebra 1 *or* Intensified Algebra 1	Geometry	Algebra 2 *or* Financial Algebra 2	Trig *or* Stats/Contemp Math
Accel. Algebra 1	Hon Geometry	Hon Algebra 2	Hon/AP Pre-Calculus *or* Stats / Contemp Math
Accel. Geometry	Hon Algebra 2	Hon/AP Pre-Calculus	Hon AP Calculus

The sequences shown above are most commonly followed by students. Alternative sequences are possible if prerequisites listed below are met.

Honors Courses are designed for students who have demonstrated exceptional mathematics abilities and are highly motivated and highly verbal. Admission to honors classes will be through application and department approval. Any student earning a semester grade of a C or below may not be eligible to continue in the honors math program. Honors math students will be encouraged to participate in academic contests. Refer to Page 2, #'s 7, 8, 9 for Honors Credit policy concerning 9th graders.

ACCELERATED ALGEBRA 1 Grade 9 Full Year 2210

Prerequisite: PreACT 8 placement scores and teacher recommendation.
Accelerated Algebra I is an accelerated in-depth course which is designed to challenge the students. The course is designed for those students who have demonstrated exceptional mathematical ability. Students in this class must demonstrate initiative in studying and completing assignments outside of class. Topics covered in Accelerated Algebra include solving equations, inequalities, and systems, solving word problems algebraically, graphing on the coordinate system, simplifying expressions, factoring polynomials, rationalizing expressions, using functions and relations, and the quadratic formula.

ACCELERATED GEOMETRY Grade 9 Full Year 2221

Prerequisite: PreACT 8 placement scores, Algebra Proficiency Test, and teacher recommendation.
Accelerated Geometry is a mathematics course devoted mainly to plane geometry with some solid geometry and coordinate geometry. The use of algebra is incorporated throughout the course. Traditional proofs are studied based on geometric postulates and theorems. This course presents a more in-depth coverage of the topics of geometry and offers some additional enrichment topics not covered in the regular geometry course. Students in this class should have successfully mastered Algebra I and should have better than average mathematical aptitude. These students should have a high degree of self-motivation, good study habits, and the ability to work independently.

ALGEBRA 1 Grade 9 Full Year 2110

Prerequisite: PreACT 8 placement scores and teacher recommendation.
Algebra 1 is a traditional algebra course. Students recommended for this class may require a minimal amount of review over prerequisite algebra skills. Students should be able to master new material at a steady pace. Homework time will be available in class; however, students will be expected to complete some work outside of the classroom. Topics covered in Algebra I include operations with real numbers, simplifying algebraic expressions, solving and graphing linear equations and inequalities, operations with polynomials, operations with rational expressions, solving systems of linear equations, and simplifying radicals.

ALGEBRA 2 **Grade 11** **Full Year** **2130**

Prerequisite: Geometry or Integrated Algebra/Geometry 3

This course provides the tools to expand and build on the fundamental skills learned in first-year algebra. The real number system is studied in great detail. Algebra and coordinate geometry are used to study functions and relations. Problem solving strategies are introduced to solve real world situations. Students completing this class should be able to identify, analyze, and solve problems using algebraic equations, inequalities, functions, and their graphs. Additional topics covered include methods of data collection and analysis and the study of probability.

CONTEMPORARY MATHEMATICS **Grade 12** **Elective** **Semester** **2370**

Additional Information: Dual Credit JALC MAT113

Prerequisite: Algebra 2, passing Accuplacer or ACT/SAT score

MAT 113 is a general education mathematics course which fulfills 3 hours of the core curriculum's mathematics requirement. Designed particularly for the non-science major, the course focuses on mathematical reasoning and solving of real-life problems, rather than on routine skills. Three or four of the following topics will be studied in depth: counting techniques and probability, game theory, geometry (additional topics beyond the prerequisite), graph theory, linear programming (including functions and graphs), sets and logic, mathematical modeling, the mathematics of finance, and statistics. This course requires the use of My Math Lab, an online interactive and educational system. This system requires the use of a computer and an internet connection. Students that are not able to finish work during class time will need to complete assignments using a computer with the internet, whether at school, at home, or at another location.

FINANCIAL ALGEBRA 2 **Grade 11** **Full Year** **2131**

Prerequisite: Geometry or Integrated Algebra/Geometry 3

Financial Algebra 2 (Advanced Algebra with Financial Applications) is a mathematical modeling course that is algebra based, applications oriented, and technology dependent. The course addresses college preparatory mathematics topics from Algebra 2, Probability and Statistics. It explores topics such as Banking, Investing, Credit, Employment, Household Budgeting and Taxes. The curriculum is designed to be practical and relevant, using real-world scenarios to teach mathematical concepts and help students make informed financial decisions. Students are encouraged to use a variety of problem-solving skills and strategies in real world contexts.

GEOMETRY **Grade 10** **Full Year** **2120**

Prerequisite: Algebra 1

Geometry is a mathematics course devoted mainly to plane geometry with some solid geometry and coordinate geometry. The use of algebra is incorporated throughout the course. Traditional proofs are studied based on geometric postulates and theorems. Upon completion of geometry, students should have an understanding of proofs based on deductive reasoning, knowledge of geometric terms and concepts, and should be able to use their algebraic skills to solve problems in geometry.

HONORS ALGEBRA 2 **Grades 10-11** **Full Year** **2230**

Prerequisite: Geometry or Honors Geometry, application & teacher recommendation.

Honors Algebra 2 is designed as a course that ranges from intermediate algebra through trigonometry. The topics covered in this class consist of all topics covered in Algebra 2 but in greater depth and breadth. In addition, a three-unit course in trigonometry is taught during the 2nd semester. A pre-requisite is Honors Geometry or recommendation from the student's Geometry teacher with departmental approval. Students in this class must have successfully completed Geometry and should have better than average mathematical aptitude. These students should have an ability to work independently.

HONORS AP CALCULUS **Grade 12** **Full Year** **2340**

Prerequisite: Honors/AP Pre-calculus, application & teacher recommendation.

Honors AP Calculus is a college level calculus course. The selection of topics meets the requirements of the syllabus of the College Entrance Examination Board for the AB and BC examination. Students in this class must have satisfactorily completed Honors Pre-calculus. Since this is a time demanding course, the student must be able to attend class regularly and be willing to work regularly and independently outside of class. Graphing calculators will be used extensively. Students are required to take the AP test given in May of each year.

HONORS GEOMETRY **Grade 10** **Full Year** **2220**

Prerequisite: Algebra 1 or Accelerated Algebra 1, application & teacher recommendation.

Honors Geometry is a mathematics course devoted mainly to plane geometry with some solid geometry and coordinate geometry. The use of algebra is incorporated throughout the course. Traditional proofs are studied based on geometric postulates and theorems. This course presents a more in-depth coverage of the topics of geometry and offers some additional enrichment topics not covered in the regular geometry course. Students in this class should have successfully mastered Algebra I and should have better than average mathematical aptitude. These students should have a high degree of self-motivation, good study habits, and the ability to work independently.

HONORS/AP PRE-CALCULUS **Grades 11-12** **Full Year** **2320**

Prerequisite: Honors Algebra 2 or Trig/Analytic Geometry, application & teacher recommendation.

This course provides topics for a full-year course in elementary analysis. Careful mathematical development with emphasis on theory, method, and application gives students excellent preparation for future courses in calculus and linear algebra. A pre-requisite is Honors Algebra II or recommendation from the student's Trig/Analytic Geometry teacher with departmental approval. Students in this class should have a high degree of self-motivation, good study habits, and the ability to work independently as well as in group situations. Graphing calculators will be used extensively. Students are required to take the AP test given in May of each year.

INTEGRATED ALGEBRA/GEOMETRY 1 (IAG1) **Grade 9** **Full Year** **2010**

Prerequisite: PreACT 8 placement scores, teacher recommendation

This integrated course of algebra and geometry will incorporate calculator work and activities to help students better understand algebraic and basic geometry concepts. Students recommended for this course should have an understanding of the basic math skills. However, additional review of prerequisite skills will be provided. Calculator usage will be allowed at all times. Students who have weak study skills or who need additional individualized instruction will benefit from this class. Daily work is emphasized with most work done in the classroom. Students will take Int. Alg/Geom 2 the following year. The course counts for one high school credit. Topics covered in Int. Alg/Geom 1 include data collection, algebraic expressions, equations and inequalities, graphing, polynomials, measurement, and basic geometric concepts.

INTEGRATED ALGEBRA/GEOMETRY 2 (IAG2) **Grade 10** **Full Year** **2020**

Prerequisite: Integrated Alg/Geom 1

The prerequisite for this course is Int. Alg/Geom 1. Calculator usage will be allowed at all times. Students who have weak study skills or who need individualized instruction will benefit from this class. Daily work is emphasized with most work being done in the classroom. Completion of assignments begun in class will constitute the majority of homework. The course counts for one high school credit. Topics covered in Int. Alg/Geom 2 include exponents, solving equations and inequalities, geometric concepts, polynomials, systems of equations and right triangle trigonometry.

INTEGRATED ALGEBRA/GEOMETRY 3 (IAG3) Grade 11 Full Year 2030

Prerequisite: Integrated Alg/Geom 2

The prerequisite for this course is Int. Alg/Geom 2. Calculator usage will be allowed at all times. Students who have weak study skills or who need individualized instruction will benefit from this class. Daily work is emphasized with most work being done in the classroom. Completion of assignments begun in class will constitute the majority of homework. The course counts for one high school credit. Topics covered in Int. Alg/Geom 3 include solving linear equations, systems of equations and inequalities, equations of lines, factoring, quadratic equations, congruent triangle relationships, similar figures, reading graphs and charts, perimeter, area of two and three dimensional figures and volume.

INTENSIFIED ALGEBRA 1 Grade 9 Full Year 2111

Prerequisite: PreACT 8 placement scores and teacher recommendation.

Additional Information: 2 class periods

Intensified Algebra 1 is a research-based program for an extended-time Algebra class. Two back to back class periods are required. It is designed to help students who are significantly behind become successful in algebra within one academic year.

Intensified Algebra 1 is a blended program that integrates a comprehensive, engaging mathematics curriculum with interventions for struggling learners to motivate and develop students' positive beliefs about their academic abilities. The curriculum includes rigorous, but accessible, treatment of topics that are most critical for success in algebra and future mathematics courses, and targets students' conceptual understanding, associated skills, and related problem-solving and reasoning capabilities.

INTRODUCTORY STATISTICS Grade 12 Semester 2360

Additional Information: Dual Credit JALC MAT120

Prerequisite: Algebra 2, passing Accuplacer or ACT/SAT score

This course covers the basic concepts of statistics and probability with the emphasis on computer usage and applications. This is a one-semester course. Students completing this course will have experience with probability and statistics on both a theoretical and practical level. The mathematical concepts will be discussed and utilized, while the applications and projects will provide concrete examples of their use. This course requires the use of My Math Lab, an online interactive and educational system. This system requires the use of a computer and an internet connection. Students that are not able to finish work during class time will need to complete assignments using a computer with the internet, whether at school, at home, or at another location.

TRANSITIONS TO QUANTITATIVE LITERACY AND STATISTICS Grade 12 Full Year 2380

Pre-requisite: Completion of the 3-year math requirement and teacher recommendation.

This senior elective math course is designed to prepare and transition students directly into college and career pathways requiring general education college math competencies in quantitative literacy and statistics. Upon completion, students should be able to demonstrate proficiency and understanding in basic numeracy competencies in whole numbers, integers, fractions, and decimals, use estimation and explain/justify estimates, apply quantitative reasoning to solve problems involving quantities or rates, use mathematical summaries of data, such as mean, median, and mode, use and apply algebraic reasoning as one of multiple problem-solving tools, and use functions and modeling processes. The course will be delivered through problem-based instruction designed to build mathematical conceptual understanding and critical thinking skills. EXCEL and other statistical software will be used throughout the course.

TRIGONOMETRY / ANALYTIC GEOMETRY Grade 12 Full Year 2310

Prerequisite: Algebra 2. Students with less than a B average in previous math courses may lack some of the prerequisite skills needed for this class.

Trigonometry/Analytic Geometry presents a complete course in pre-calculus. It is designed for average and above average students who would like to prepare for college or simply to study more mathematics. Students completing this course should be well prepared for beginning a successful college mathematics curriculum. Many of these students will competently enter a calculus program during their first year of college.

PHYSICAL EDUCATION

Freshmen must select either Freshman Physical Education or Athletic PE Freshman Strength Training. Each of these courses is 1 semester in length.

FRESHMAN PHYSICAL EDUCATION Grade 9 Required Semester 9000

The fundamental purpose of the freshmen physical education course is designed to help all learners become informed decision makers capable of planning for enjoyable lifetime fitness and physical activity while at the same time achieving personal fitness and activity goals for the present. According to the US Center for Disease Control and Prevention (CDC) physical activity has an impact on cognitive skills such as concentration, retention of information, and attention, and it also enhances classroom attitudes and behaviors, all of which are important components of improved academic performance. Upon completion of this course students will accomplish these main objectives:

1. Students will learn how to apply training principals--frequency, intensity, time, and type (FITT)--to achieve their personal fitness goals. Fitness expectations for students will be established on an individual basis; realistic goals will be based on the health related components of fitness. By learning and applying these concepts, students can develop lifelong understanding and good habits for overall health and fitness.
2. Students will participate in physical activities that involve competency in a wide range of motor, non-motor, and manipulative skills. Through these activities students will learn how to follow directions and rules that enhance enjoyment and success in both recreational and competitive sports. Students will work toward higher levels of competence thus learning how to maintain health and fitness as individuals and as members of a team.
3. Students will participate in state mandated fitness testing which will assess their current health related fitness level and will serve as a valuable tool to help them become an independent decision maker who can plan his or her own fitness program.
4. Students will learn the twelve major muscle groups in the body and how to perform exercises that will work toward improving their muscular strength and endurance.

ATHLETIC PE FRESHMAN STRENGTH TRAINING Grade 9 Semester 9060

This course is available athletes in season who want to strength train for team/individual competitions. The freshmen course is geared more specifically with an athlete in mind and includes an introduction to strength training.

Sophomores, Juniors, and Seniors are required to take Physical Education both semesters. Sophomores, Juniors, and Seniors can choose between the following electives. Students may take the same class for a full year or choose 2 electives.

ADVENTURE/OUTDOOR EDUCATION Grades 10-12 Year/Sem 9020

This course will offer individual and cooperative activities built around team building, individual and team challenges, and trust activities. Rock climbing and belaying skills utilizing the climbing wall, along with principles of geocaching will be offered in this class. Other outdoor skill related activities will be included, such as archery and frisbee golf. Emphasis will also be placed on improving students' cardiovascular endurance. Fitness assessments/goal tracking will be done throughout the semester.

PERSONAL FITNESS Grades 10-12 Year/Sem 9040

This course will provide the opportunity for the introduction, discussion and practice of various ways that individuals can get fit and stay fit. Many different types of workouts will be offered, including, but not limited to: active games, circuit training, martial arts, self-defense, jump rope, walking/jogging, interval training, core body strength, hand weights, medicine balls, therabands, plyometrics, exercise balls, hip hop aerobics, Zumba and more. A nutrition and activity journal will be kept with progression and achievement visible to the student. Fitness assessments/goal tracking will be done throughout the semester to check improvement. Journals, nutrition, stress, and activity logs may also be kept and analyzed. A good work ethic and a desire to get fit is a must for this class.

STRENGTH TRAINING **Grades 10-12** **Year/Sem** **9030**

This class is designed with the multi-sport athlete in mind. A program using compound lifts and multi-lifting styles will be implemented in the weight room. A variety of speed, power, agility, reaction and quickness exercises will also be part of the program. While athletes are given first opportunity for enrollment any student may join the class. Fitness assessments/goal tracking will be done throughout the semester.

TEAM SPORTS **Grades 10-12** **Year/Sem** **9010**

Games included in this class will be selected from a variety of the following activities: ultimate Frisbee, flag football, basketball, volleyball, eclipse ball, table tennis, team handball, volley tennis, four corner volleyball, lacrosse, floor hockey, tchoukball, and korfball. Team-building activities may also be included. Units are approximately three weeks in duration on Monday, Wednesday, and Friday. Cardio training with the use of heart rate monitors will be offered on Tuesday and Thursday. Development of sportsmanship, cooperation, leadership, and personal fitness are goals of this unit.

WAIVERS/SUBSTITUTIONS

Students may request a PE waiver if they are:

- enrolled in Band, Competitive Band, Honors Band, Band (Percussion), or Marching Guard
- a Sophomore, Junior, or Senior active member of a CCHS sports team (during the semester of the sport only)
- a Junior or Senior enrolled in all graduation required coursework
- a Junior or Senior enrolled in courses required for admission to a college or university that they plan to attend (if the student is not enrolled in any electives)
- enrolled in OJT, Work Based Learning, CNA, Construction, or Cosmetology (if all other classes taken are graduation requirements)
- a student who must use the time to receive special education support and services as indicated in their Individualized Education Plan (IEP)
- a student with a medical condition which prohibits their participation in PE as verified by their physician's written statement

Requests for PE waivers and any supporting documents and/or signatures must be completed by the student and submitted to the Counseling Department before a PE waiver will be considered. Athletic waivers will require permission from the Athletic Director.

Waivers are automatically granted for the following students, and no request will need to be submitted:

- a Freshman enrolled in Health (for one semester only)
- a Sophomore enrolled in Driver Education (for one semester only)

SCIENCE

COURSE OFFERINGS

Freshmen Year	Sophomore Year	Junior Year	Senior Year
Core Classes Accelerated Biology Biology 1 **Elective Classes** Botany 1 Physics	**Core Classes** Chemistry 1 Physical/Earth Science **Elective Classes** Botany 1 Botany 2 Conservation Biology Principles of Tech 1	**Core Classes** Physics **Elective Classes** Anatomy & Physiology Biology 2 – Genetics Biology 2 – Microbiology Botany 1 Botany 2 Chemistry 1 Conservation Biology Forensics – Life Science Forensics – Physical Science Principles of Tech 1 Principles of Tech 2 Zoology / Vet Tech	**Elective Classes** Anatomy & Physiology Biology 2 – Genetics Biology 2 – Microbiology Botany 1 Botany 2 Conservation Biology Forensics – Life Science Forensics – Physical Science Physics Principles of Tech 1 Principles of Tech 2 Zoology / Vet Tech

HONORS COURSE OFFERINGS

Sophomore Year	Junior Year	Senior Year
Honors Chemistry 1	Hon/AP Biology 2 Hon Bio 2 – Genetics Hon Bio 2 – Microbiology Hon/AP Chemistry 2 Hon/AP Physics 1 Hon/AP Environmental	Hon/AP Biology 2 Hon Bio 2 – Genetics Hon Bio 2 – Microbiology Hon/AP Chemistry 2 Hon/AP Physics 1 Hon/AP Physics 2 Hon/AP Environmental

Students are required to take Biology at the freshmen level and Physical Earth Science or Chemistry at the sophomore level. Honors Courses are designed for students who have demonstrated exceptional science abilities and are highly motivated and highly verbal. Admission to honors classes will be through class performance (students must maintain, both semesters, an 80% or above in an honors course or 93% or above in current non-honors course), application, and departmental approval. Any student earning a semester grade of a C or below may not be eligible to continue in the honors science program. Honors and accelerated science students are required to do an independent research project. Students who choose to withdraw from an honors class are not guaranteed placement in honors classes the following year.

ACCELERATED BIOLOGY **Grade 9** **Full Year** **4001**

Prerequisites: PreACT 8 test scores and teacher recommendation.

A student in this class should have a science aptitude, the ability to work independently, think logically and critically, and be highly motivated. This course offers an introductory understanding of biological concepts concerning the exploration of life forms related to everyday life utilizing the inquiry method of learning and many laboratory activities. Students are expected to perform independent projects at home and work cooperatively in class to complete projects.

ANATOMY & PHYSIOLOGY **Grades 11-12** **Elective** **Semester** **4240**

Strongly recommended to be taken in conjunction with Health Occupations
Prerequisites: Biology 1 with a C or better, Chemistry is strongly recommended.
This course covers many biological concepts with reference to the human organism. This course is intended for all students interested in further study in biology and/or medical fields such as nursing, surgery, lab research, medicine, physiotherapy, etc. The course emphasis is on anatomy and physiology of the human body and how the body works together to maintain homeostasis. Laboratory investigations emphasize a problem-based learning approach as students run diagnostic tests on four hypothetical patients, diagnose those patients according to test results, and develop a prognosis of treatment.

BIOLOGY 1 **Grade 9** **Full Year** **4000**

Biology 1 is a student driven curriculum designed around an anchoring phenomenon that introduces a question/problem. These phenomenon-driven units involve students in making sense of the natural world through the use of authentic data while integrating different areas of science, to solve a problem. This will allow students to grow and become self-directed learners through real world problem solving. Emphasis is placed on analysis, discussion, problem solving, and laboratory experiences. Phenomena will include topics such as, but not limited to, Genetic Diversity, Ecology, Evolution, and Heredity.

BIOLOGY 2 – GENETICS **Grades 11-12** **Elective** **Semester** **4210**

Honors Option (4211)
Prerequisite: Biology 1 with a C or better. Honors class requires application and department recommendation.
This class explores the large, continually developing field of heredity. Students will engage in an in depth study of how traits are inherited in plants, animals and humans. This class will focus on a variety of genetics topics, including cell division, human inheritance and genetic disorders, karyotypes and pedigree analysis, DNA analysis and gel electrophoresis, biotechnology and genetic engineering. Critical thinking and problem solving skills will be developed and enhanced through a variety of hands-on activities and laboratory exercises. Honors credit requires an independent project.

BIOLOGY 2 – MICROBIOLOGY **Grades 11-12** **Elective** **Semester** **4220**

Honors Option (4221)
Prerequisite: Completion of Biology with a grade of C or better. Honors class requires application, department recommendation, and a grade of B or better in Biology or Chemistry.
Microbiology explores the world of tiny organism and viruses. Students will spend the semester engaged in a variety of laboratories and hands-on activities that will help prepare them for any health occupation or liked science career. Students will learn a variety of concepts, including classification of microbes (bacteria, viruses, protozoa, helminthes, and fungi, microbial metabolism, disease causing pathogens, human diseases, and microbes in the environment. Honors credit requires an independent project.

BOTANY & AGRICULTURAL SCIENCE 1 **Grades 9-12** **Elective** **Full Year** **4171**

Early Bird (4170)
Prerequisites: Completion of or concurrently enrolled in another science class.
This course is designed to introduce students to the agricultural industry and provide them with basic plant science botany. This is a laboratory based class which includes lectures, discussion, and projects. Major units of instruction include plant physiology, plant anatomy, sexual reproduction, asexual reproduction, Earth science, vertebrate & invertebrates, animal physiology, hydroponics, plant identification, growing greenhouse crops, floral design and biotechnology. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is optional.

BOTANY & AGRICULTURAL SCIENCE 2 **Grades 11-12** **Elective** **Full Year** **4176**

Early Bird (4175) & Dual Credit JALC AGR103
Full Title: Botany & Agricultural Science 2 (Greenhouse & Floral Production)
Prerequisites: Having completed a full year of Botany & Agricultural Science 1
An introduction to the principles and practices in the development, production, and use of horticultural crops. The course will cover the chemical, biological and environmental conditions for plant growth, as well as seed propagation and asexual reproduction. In addition, insects/diseases and their control in the greenhouse will be covered, too.

CHEMISTRY 1 **Grades 10-12** **Elective** **Full Year** **4310**

Prerequisites: To take Chemistry as a sophomore, students must have a B average both semesters in Biology and complete Algebra I with a B average both semesters. To take Chemistry as a junior or senior, students must complete Algebra I with a C average both semesters. A scientific calculator is required.
Chemistry is the study of chemical reactions. First semester includes the Atomic Theory, Periodic Trends, Measurement, Bonding, Nuclear Interactions, and Balanced Reactions. Second semester focuses on Gas Laws, Acids/Bases, Organic and Petrochemicals, Water and Solutions, Electrochemistry, and Nutrition. Inquiry labs, problem solving and critical thinking are emphasized. The course is designed to make real world connections and applications to the central science of chemistry.

CONSERVATION BIOLOGY **Grades 10-12** **Elective** **Full Year** **4140**

Full Title: Conservation Biology & Natural Resources Management
Prerequisites: Completion of one Science class with a passing grade. As a sophomore, must be taken concurrently with Physical Earth Science or Chemistry.
This course develops management and conservation skills in understanding the connection between agriculture and natural resources. This is a laboratory and inquiry based class that includes lectures, discussion, and projects. Student knowledge and skills are developed in making connections between environmental sciences and applying those concepts for problem solving, understanding natural resources and its importance, fish, wildlife, and forestry management and conservation, and exploring outdoor recreational enterprises. Hunting and fishing as a sport, growing and managing tree forests, and outdoor safety education will be featured. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts. (Note: Membership in FFA is optional.)

FORENSICS – PHYSICAL SCIENCES **Grades 11-12** **Elective** **Semester** **4161**

Forensics applies science to crime-based problem-solving techniques. This course focuses on the techniques that use physical science concepts. A problem-based learning approach allows students to understand the science behind crime scene investigations. This activity-intensive class uses physical sciences such as chemistry and physics to illustrate many of the techniques used in a forensics crime lab. These topics will include fingerprinting, fiber analysis, identification of drugs and toxins, and detection of trace evidence. Critical-thinking skills, collaborative learning, and problem-solving will be emphasized through group work, lab work, and classroom discussions.

FORENSICS – LIFE SCIENCES **Grades 11-12** **Elective** **Semester** **4162**

Prerequisite: Forensics – Physical Science
Forensics applies science to crime-based problem-solving techniques. This course focuses on the techniques that use life science concepts. A problem-based learning approach allows students to understand the science behind crime scene investigations. This activity-intensive class uses life sciences such as biology and anatomy to illustrate many of the techniques used in a forensics crime lab. These topics will include blood spatter analysis, hair analysis, DNA profiling, and identification of human remains. Critical-thinking skills, collaborative learning, and problem-solving will be emphasized through group work, lab work, and classroom discussions.

HONORS AP BIOLOGY 2 **Grades 11-12** **Elective** **Full Year** **4130**

Early Bird Only

Prerequisites: Biology and Chemistry (or current enrollment with teacher approval), application and department recommendation

AP Biology is equivalent to two semester college introductory biology courses for biology majors. Emphasis is placed on analysis, discussion, problem solving, and laboratory experiences. This college level course prepares the students for the AP Biology exam and credit towards future college degrees. Topics are derived from the four big ideas, Evolution, Energetics, Information Storage and Transmission, and System Interactions. Students are required to take the AP Biology Exam in May.

HONORS AP CHEMISTRY 2 **Grades 11-12** **Elective** **Full Year** **4330**

Prerequisites: Honors Chemistry 1 and Algebra 2 with a B or higher, application and department recommendation.

AP Chemistry is a course designed for highly motivated students with high aptitudes in Math and Science that are interested in pursuing careers in Science, Engineering, or Medicine. This course is a college-level Chemistry course that covers topics such as chemical bonding, chemical reactions, reaction kinetics, thermodynamics, equilibrium, and acids/bases. This course prepares students to take the AP Chemistry exam, which is required for course completion. Students enrolled in this course must complete a Summer homework project.

HONORS AP ENVIRONMENTAL SCIENCE **Grades 11-12** **Elective** **Full Year** **4150**

Prerequisites: Biology, Chemistry and Algebra 1 recommended, application and department recommendation.

The AP Environmental Science course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students identify and analyze natural and human-induced environmental problems. This enables them to learn how to assess the risks associated with these problems and evaluate alternative solutions for resolving and preventing them. First semester includes earth systems and resources, the living world: ecosystems and biodiversity, populations, and land and water use. Second semester focuses on energy resources and consumption, atmospheric pollution, aquatic and terrestrial pollution, and global change. Inquiry labs and researching current environmental issues are also integral components of this class. A university and College Board approved AP Environmental Sciences textbook is used. Students are required to take the AP Environmental Science exam in May.

HONORS AP PHYSICS 1 **Grades 11-12** **Elective** **Full Year** **4410**

Prerequisites: Concurrent enrollment in Honors Algebra 2 with the ability to maintain a B or higher, application and department recommendation. Trigonometry is recommended. (Students who successfully complete Conceptual Physics with an A and with instructor approval may take this class.)

General course description is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce fluid mechanics. There will be an element of calculus interjected into the course for those students interested in taking the C exam. This course adheres to the guidelines as outlined by The College Board (www.collegeboard.org). This course is recommended for highly motivated, high ability students who intend to pursue post-secondary degrees in mathematics, engineering, or any of the pure sciences. The book for this course is an AP approved book. Students will be required to purchase an AP Physics supplemental book in an effort to better prepare for the AP Exam. It is required that students enrolled in this course, take the AP Exam.

HONORS AP PHYSICS 2 **Grades 11-12** **Elective** **Full Year** **4420**

Prerequisites: Student must have completed Honors AP Physics 1 with a B or higher, application and department recommendation.

Honors AP Physics 2 is the equivalent to a second-semester college course in algebra-based physics. The course covers an introduction to electric circuits; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. This course adheres to the guidelines as outlined by The College Board (www.collegeboard.org). There will be an element of calculus interjected into the course for those students interested in taking the C exam. This course is recommended for highly motivated, high ability students who intend to pursue post-secondary degrees in mathematics, engineering, or any of the pure sciences. The book for this course is an AP approved book. Students will be required to purchase an AP Physics supplemental book in an effort to better prepare for the AP Exam. It is required that students enrolled in this course, take the AP Exam.

HONORS CHEMISTRY 1 **Grades 10-12** **Elective** **Full Year** **4320**

Science prerequisite: Completion of Accelerated Biology, with B average both semesters, or Biology with 93% both semesters, application and department recommendation. Math prerequisite: Completion of Algebra I with an A or Accelerated Algebra with a B average.

Honors Chemistry is the study of the composition, structures and changes of matter. This is a rigorous, math intensive course that works at an accelerated rate and goes into chemistry and its numerous applications in greater depth. Topics covered include matter, atomic theory, quantum mechanics, chemical bonding, compound naming, stoichiometry, gas laws, electrochemistry, oxidation-reduction reactions, and acids and bases.

PHYSICAL/EARTH SCIENCE **Grade 10** **Full Year** **4010**

This course offers an engaging exploration of Earth's physical systems by investigating real-world natural phenomena such as northern lights, volcanoes, rocks and minerals, Earth's interior, earthquakes, electromagnetic and mechanical waves, atomic structure and the periodic table. Through hands-on investigations, data analysis, and scientific modeling, learners will develop a deeper understanding of Earth's structure, surface processes, atmospheric behavior and atomic structure.

PHYSICS **Grades 11-12** **Elective** **Full Year** **4400**

Prerequisites: Algebra 1 and Geometry or concurrent enrollment in Geometry.

Physics is the study of the nature of matter and energy and how they are related. The course consists of an organized sequence of units, including: motion, forces, machines, sound, light, thermal energy, magnetism, electricity, astronomy, and atomic theory. Concepts are stressed using mathematics as the language of physics. Students take notes, work problems, and participate in demonstrations, labs and small group activities. Physics is highly recommended for any student who plans to pursue higher education, post-secondary training in any science related area of study, or who wants to be able to make informed decisions in an increasingly technological world.

APPLIED PHYSICS 1 **Grades 10-12** **Elective** **Full Year** **6670**

Formerly Principles of Technology 1

Prerequisite: Completion of Algebra 1 or IAG 2

Additional Information: Taught as a CTE course; qualifies as a lab science credit.

Applied Physics is a hands-on lab science course that answers questions like these by showing how force, work, resistance, rate, and energy drive the machines and systems we use every day. Students study these principles across four systems (mechanical, fluid, electrical, and thermal) and discover that the same core ideas explain all of them. About half of the course is spent in the lab, using tools such as multimeters, pressure gauges, and spring scales, and completing team design challenges in which students build and test bridges, boats, and race cars. Throughout the course, students see how technicians, engineers, and tradespeople use physics on the job. Applied Physics is a great fit for students interested in engineering, automotive, electrical, HVAC, construction, or any career where understanding how things work matters.

APPLIED PHYSICS 2 **Grades 11-12** **Elective** **Full Year** **6680**

Formerly Principles of Technology 2

Prerequisite: Applied Physics 1

Additional Information: Taught as a CTE course; qualifies as a lab science credit.

Applied Physics 2 picks up where Applied Physics 1 left off, taking students deeper into the physics behind modern technology. Topics include momentum, waves and vibrations, energy converters, transducers and sensors, radiation, light and optical systems, and time constants, all applied to real mechanical, fluid, electrical, and thermal systems. As in Applied Physics 1, about half of the course is hands-on lab work, with an emphasis on measuring, testing, and troubleshooting real equipment. Students build knowledge and skills that transfer directly to post-secondary technical programs, engineering, and the skilled trades.

ZOOLOGY & VETERINARY TECHNOLOGY **Grades 11-12** **Elective** **Full Year** **4180**

Prerequisite: Completed two years of science with C average.

This is a laboratory based course which includes lecture, discussion, and projects. Students will explore the biochemical processes of living organisms and be able to apply those concepts to the whole organisms. These topics include studying the nervous, immune, endocrine, respiratory, and circulatory systems of vertebrates. In addition, this course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Improving computer and workplace skills will be a focus. Participation in FFA is optional.

SOCIAL STUDIES

COURSE OFFERINGS

Freshmen Year	Sophomore Year	Junior Year	Senior Year
World Geography Human Geography	African American History World History	**Required Course** US History **Electives** African American History Psychology Sociology World History	**Required Courses** US Government Civics **Electives** African American History Psychology Sociology World History

HONORS COURSE OFFERINGS

Sophomore Year	Junior Year	Senior Year
Honors/AP African American History Honors/AP World History	Honors/AP US History Honors/AP African American History	Honors/AP US Government & Civics Honors/AP African American History

AFRICAN AMERICAN HISTORY Grades 10-12 Elective Year/Sem 3560

African American History is designed to give students the opportunity to explore topics only briefly touched on in American History. The first semester will include African American History from the 15th century to 1865. It deals with West African Kingdoms, the Atlantic slave trade, and the institution of slavery in Africa and the Americas. The themes of struggle, resistance, and survival will be studied through culture, art, music, and literature. The second semester will include African American History from 1865 to the present. It begins with the post-Civil War Reconstruction period and the rise of African American political power. African American business success following Reconstruction will be evaluated, with emphasis on the philosophies of Booker T. Washington and W.E.B. Dubois. The course will also address African American military service from the 19th century to the present. The second semester will continue the study of cultural developments in art, music, and literature.

CIVICS Grade 12 Required Semester 3230

This second semester course will involve the discussion of current and controversial issues, service learning, and simulations of the democratic process and include units on Civil Liberties, Civil Rights, Foreign Policy, Political Parties and Elections, and State and local Government. The state requirements of the study and successful completion of the Illinois Constitution exam and the display of the flag are met by this course.

HONORS AP AFRICAN AMERICAN HISTORY **Grades 10-12** **Elective** **Year** **3561**

AP African American Studies is a college-level course that explores the history, culture, and contributions of African Americans from early African societies to the modern day. Students analyze primary sources, key historical developments, cultural expressions, and major movements that have shaped African American life. Emphasizing national social studies and AP historical thinking standards, the course integrates perspectives from history, politics, literature, and the arts. Students develop strong skills in research, critical analysis, and evidence-based writing while gaining a deeper understanding of the African American experience within the broader American and global story. Students are required to take the Advanced Placement exam in the spring.

HONORS AP GOVERNMENT **Grade 12** **Full Year** **3240**

This course is designed to provide students with a thorough understanding of the foundations of the United States government, its institutions, the formation of public policy, and the fundamentals of civic engagement. Students must be willing to commit themselves to AP level coursework which is intended to reflect the rigor of a college level class in both assignments and assessments. There will be a heavy emphasis on reading and analyzing primary sources such as Supreme Course cases and foundational documents, in addition to the discussion of current and controversial issues. Students will also be expected to learn the skills necessary for success on the AP exam, such as data analysis, and how to create an argumentative essay. The state requirements of the study and successful completion of the United States Constitution Test and Illinois State Constitution Test are met by this course. In addition to normal course work, students are expected to participate in several projects and activities. Students are required to take the Advanced Placement exam in May.

HONORS AP PSYCHOLOGY **Grades 11-12** **Elective** **Full Year** **3510**

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas.

HONORS AP US HISTORY **Grade 11** **Full Year** **3111**

Additional Information: Dual Credit JALC HIS201& HIS202

This course is designed to give the students a thorough understanding of the history of the United States. Course expectations for the history of the United States include areas focusing on: Politics, Economics, Religion, Society, Inventions and Industry, and Arts and Education. This course will require the ability to analyze and interpret many different areas of our country's history and extensive outside reading of primary sources. Students must be willing to commit themselves to AP level coursework which is intended to reflect the rigor of a college level class in both assignments and assessments. In addition to the assigned coursework, students will have to choose and research a subject that corresponds with the National History fair theme and present their findings at the regional fair in April. Students will be using Advanced Placement materials throughout the year and are required to take the AP exam in May.

HONORS AP WORLD HISTORY MODERN **Grade 10** **Elective** **Full Year** **3151**

This course is designed to help students develop analytical skills and acquire knowledge necessary to deal critically with issues and events in World History. The course focuses on the development of people and societies from 1200 CE to the present day. Themes emphasized include, but are not limited to the political, economic, and social organization of specific societies, and their interaction with other societies. Students must be willing to commit themselves to AP level coursework which is intended to reflect the rigor of a college level class in both assignments and assessment. Students are required to take the Advanced Placement exam in the spring.

HUMAN GEOGRAPHY **Grade 9** **Elective** **Semester** **3180**

This one semester course will focus on the "micro" viewpoint of Geography - People and Cultures. Units will be divided geographically and over the course of a semester, students will learn, analyze, and compare people, cultures, traditions, and religions of the world.

PSYCHOLOGY **Grades 11-12** **Elective** **Semester** **3500**

Psychology is a survey course for juniors and seniors, which includes the study of biological, social and cognitive causes for behavior. Although the material may vary from year to year, the course emphasizes the role of the brain in cognitive functioning, memory, developmental psychology, personality theory and mental illness. Students are strongly encouraged to participate in discussion.

SOCIOLOGY **Grades 11-12** **Elective** **Semester** **3490**

Early Bird Option (3491)

Sociology is the study of groups and group behavior in society. The course includes an examination of the following topics: culture, social values, socialization; how individuals behave in groups; attitudes and changing attitudes; abnormal behavior in society and its treatment; social problems of present day American Society. Students explore the major sociological perspectives, society and culture, social stratification, social institutions, and social change. The class utilizes a myriad of different activities, readings, and assessments to investigate and understand the society within which we live.

US HISTORY **Grade 11** **Required** **Full Year** **3110**

The course is a chronological coverage of American History. First semester covers discovery of the New World up to the Industrial Age. Second semester emphasis is on comprehensive coverage of the twentieth century. With regards to state mandates the classes will include coverage of women, minorities, unions, and Illinois History.

US GOVERNMENT **Grade 12** **Required** **Semester** **3220**

This course examines the organization of our national government and the United States political system. In order to prepare students for the United States Constitution Test, as required by state law, the class will cover the foundations and institutions of the government of the United States. Students should be prepared to take notes and read textbook assignments. The state requirements of the study and successful completion of the United States Constitution Test is met by this course.

WORLD GEOGRAPHY **Grade 9** **Elective** **Semester** **3170**

This one semester course will take the "macro" viewpoint of Geography, with students learning, analyzing, and comparing both political and physical geography. Units will be divided up geographically, an over the course of the semester, students will engage in a curriculum that will focus on nations; cities, trade, alliances, natural resources, physical geography, and the mastery of GIS Technologies. (Geographic Information Systems).

WORLD HISTORY **Grades 10-12** **Elective** **Year/Sem** **3150**

The course will emphasize the contributions of past societies and cultures on our present life. First semester will include a study of early- cultures throughout the world to show their contribution to our heritage and the interdependence of modern nations and cultures. The second semester will include material on present day cultures and civilizations. Films, speakers, tapes and recordings will be utilized to supplement regular classroom assignments

SUPPORTIVE INTERVENTIONS

ACADEMIC SUPPORT 1 **Grades 9-10** **Year** **9810**

Prerequisite: Placement determined by the Teacher Assessment Team or Individualized Education Plan Team.
This class is designed to provide support to CCHS students who need assistance with completing academic tasks, organizational skills, and test taking skills. This class will focus on teaching students how to enhance their learning. Students will set weekly and daily goals, and be responsible for completing content area assignments.

ACADEMIC SUPPORT 2 **Grades 11-12** **Year** **9820**

Prerequisite: Placement determined by the Teacher Assessment Team or Individualized Education Plan Team.
See description above for Academic Support 1.

ALGEBRA INTERVENTION 1 (AI 1) **Grade 9** **Year** **9601**

Prerequisite: Concurrent enrollment in Algebra 1, PreACT 8/9 placement scores, and teacher recommendation.
AI 1 is a class designed to help students who are currently enrolled in Algebra 1. Emphasis is placed on topic comprehension, homework completion, reviewing for quizzes and tests, and study skills specific to mathematics.

ALGEBRA INTERVENTION 2 (AI 2) **Grade 11** **Year** **9602**

Prerequisite: Concurrent enrollment in Algebra 2, standardized test scores, and teacher recommendation.
AI 2 is a support class for students enrolled in Algebra 2. The primary focus is to improve math skills with an emphasis on Geometry and Advanced Algebra through activities in the classroom and computer lab. Preparation for standardized testing, that is required for all juniors, is also an integral part of class.

ESL Academic Support **Grades 9-12** **Year** **9700**

Bilingual Education and Language support is provided to help students who speak Spanish achieve academic success. See description above for Academic Support 1.

READING LAB 1 **Grade 9** **Year** **9500**

Prerequisite: Eight grade students who score below the 55th percentile on the PreACT 8/9 Reading Test or other standardized reading test may be required to take this class.
This class is designed to improve all aspects of literacy skills. The aim of the curriculum will be to augment the performance of literacy skills specifically content area reading, vocabulary, fluency, critical thinking, and comprehension strategies. This enhanced course of action will ensure that high school students have opportunities to read with competence, confidence, and understanding. In addition, this literacy encompasses the ability to master, construct and generalize the meaning from the content to other learning situations by utilizing high interest and nonfiction text. The skills acquired in this course support core area classes.

WORLD LANGUAGES

AMERICAN SIGN LANGUAGE 1 **Grades 11-12** **Elective** **Semester** **5901**

See Off Campus-Dual Credit Classes for Course Description.

AMERICAN SIGN LANGUAGE 2 **Grades 11-12** **Elective** **Semester** **5902**

Prerequisite: ASL 1 with a grade of C or better
See Off Campus-Dual Credit Classes for Course Description.

FRENCH 1 **Grades 9-12** **Elective** **Full Year** **5010**

This course is designed for novice level students with limited to zero exposure to the French language. Students will acquire language through the use of videos, stories, songs and cultural exploration. This level of Spanish focuses on the interpretative tasks of listening and reading in Spanish with limited writing. There is not an emphasis on grammar nor memorization. Because auditory input is one of the primary components of the course, attendance is a vital component to be successful. **A semester grade of a C or higher is strongly recommended to continue in the course sequence. When warranted, a placement test will be administered to determine proper placement of the student.**

FRENCH 2 **Grades 10-12** **Elective** **Full Year** **5020**

Prerequisite: French 1, proficiency level of at least a novice mid, or teacher recommendation. Students with less than a C average in the previous course sequence may lack some of the prerequisite skills needed for this class.
A continuation of the interpretive skills built in level 1, French 2 incorporates deeper level discussion and content of cultural topics. Writing tasks and beginning opportunities for speaking are at the forefront of this level. Students acquire language through the use of videos, songs, stories, articles and novels. Because auditory input is one of the primary components of the course, attendance is a vital component to be successful. **A semester grade of a C or higher is strongly recommended to continue in the course sequence. When warranted, a placement test will be administered to determine proper placement of the student.**

HONORS FRENCH 3 **Grades 11-12** **Elective** **Full Year** **5031**

Prerequisite: French 2, proficiency, or teacher recommendation. Students with less than a C average in the previous course sequence may lack some of the prerequisite skills needed for this class.
In this early intermediate level course, students are exposed to more complex language features through some authentic resources such as songs and art, content-based units related to sustainable development goals and novels. While reading and listening are pivotal to instruction, a more important emphasis on writing and speaking is present in this course based on the language that students have acquired at this point in the program. Because auditory input is one of the primary components of the course, attendance is a vital component to be successful. **A semester grade of a C or higher is strongly recommended to continue in the course sequence. When warranted, a placement test will be administered to determine proper placement of the student.**

HONORS FRENCH 4 **Grade 12** **Elective** **Full Year** **5041**

Prerequisite: French 3, proficiency, or teacher recommendation. Students with less than a C average in the previous course sequence may lack some of the prerequisite skills needed for this class.
In this early intermediate level course, students are exposed to more complex language features through some authentic resources such as songs and art, content-based units related to sustainable development goals, and novels. While reading and listening are pivotal to instruction, a more important emphasis on writing and speaking is present in this course based on the language that students have acquired at this point in the program. Because auditory input is one of the primary components of the course, attendance is a vital component to be successful.

GERMAN 1 **Grades 9-12** **Elective** **Full Year** **5110**

This course is designed for novice level students with limited to zero exposure to the German language. Students will acquire language through the use of videos, stories, songs and cultural exploration in Germany and other German speaking countries, such as Austria and Switzerland. This level of German focuses on the interpretative tasks of listening and reading in German with limited amounts of spoken and written output. Because auditory input is one of the primary components of the course, attendance is a vital component to be successful. **A semester grade of a C or higher is strongly recommended to continue in the course sequence. When warranted, a placement test will be administered to determine proper placement of the student.**

GERMAN 2 **Grades 10-12** **Elective** **Full Year** **5120**

Prerequisite: German 1, proficiency level of at least a novice mid, or teacher recommendation. Students with less than a C average in the previous course sequence may lack some of the prerequisite skills needed for this class.
A continuation of the interpretive skills built in level 1, German 2 incorporates more listening and reading while also prioritizing writing tasks and beginning opportunities for speaking. The students enjoy their acquisition of more advanced communicative skills by being immersed in a multitude of varied proficiency-based activities. Students acquire language through the use of videos, stories, articles and short novels. Because auditory input is one of the primary components of the course, attendance is a vital component to be successful. **A semester grade of a C or higher is strongly recommended to continue in the course sequence. When warranted, a placement test will be administered to determine proper placement of the student.**

HONORS GERMAN 3 **Grades 11-12** **Elective** **Full Year** **5131**

Prerequisite: German 2, proficiency, or teacher recommendation. Students with less than a C average in the previous course sequence may lack some of the prerequisite skills needed for this class.
In this early intermediate level course, students are exposed to more complex language features through some authentic resources such as podcasts, short stories, creative literature, and videos. While reading and listening are pivotal to instruction, a more important emphasis on writing and speaking is present in this course based on the language that students have acquired at this point in the program. Because auditory input is one of the primary components of the course, attendance is a vital component to be successful. **A semester grade of a C or higher is strongly recommended to continue in the course sequence. When warranted, a placement test will be administered to determine proper placement of the student.**

HONORS GERMAN 4 **Grade 12** **Elective** **Full Year** **5141**

Prerequisite: Honors German 3, proficiency, or teacher recommendation. Students with less than a C average in the previous course sequence may lack some of the prerequisite skills needed for this class.
In this early intermediate level course, students are exposed to more complex language features through some authentic resources such as podcasts, short stories, creative literature, and videos. The course objective is to strengthen proficiency in the four skills of language learning: listening, speaking, reading, and writing. While reading and listening are pivotal to instruction, a more important emphasis on writing and speaking is present in this course based on the language that students have acquired at this point in the program. Because auditory input and spoken output are primary components of the course, attendance is a vital component to be successful.

Possible Spanish Sequencing:
Spanish 1 —> Spanish 2 —> Honors Spanish 3 —-> Honors Spanish 4 or Honors/AP Spanish 4
Spanish 2 —> Spanish 3 —> Honors Spanish 4 —> Honors AP Spanish 4
Heritage 1/2 —-> Heritage 1/2 —> Honors Spanish 3 —> Honors Spanish 4 OR Honors/AP Spanish 4

SPANISH 1 Grades 9-12 Elective Full Year 5210

This course is designed for novice level students with limited to zero exposure to the Spanish language. Students will acquire language through the use of videos, stories, songs and cultural exploration. This level of Spanish focuses on the interpretative tasks of listening and reading in Spanish with limited writing. There is not an emphasis on grammar nor memorization. This course is not recommended for heritage or native speakers. Because auditory input is one of the primary components of the course, attendance is a vital component to be successful. **A semester grade of a C or higher is strongly recommended to continue in the course sequence. When warranted, a placement test will be administered to determine proper placement of the student.**

HERITAGE SPANISH Grades 9-12 Elective Full Year 5215

Offered on a two-year rotating curriculum. This course is designed for heritage and native speakers of Spanish to communicate in Spanish in all modes. These courses reinforce and expand students' skills to interpret (read, listen, view) and present (speak, write) information at the same level as they exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics. Spanish for Native Speakers courses advance students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Spanish-speaking world.

SPANISH 2 Grades 9-12 Elective Full Year 5220

Prerequisite: Spanish 1, proficiency level of at least a novice mid, or teacher recommendation. Students with less than a C average in the previous course sequence may lack some of the prerequisite skills needed for this class.
A continuation of the interpretive skills built in level 1, Spanish 2 incorporates deeper level discussion and content of cultural topics. Writing tasks and beginning opportunities for speaking are at the forefront of this level. Students acquire language through the use of videos, songs, stories, articles and novels. This course is not recommended for heritage or native speakers. Because auditory input is one of the primary components of the course, attendance is a vital component to be successful. **A semester grade of a C or higher is strongly recommended to continue in the course sequence. When warranted, a placement test will be administered to determine proper placement of the student.**

HONORS SPANISH 3 Grades 10-12 Elective Full Year 5231

Additional Information: Dual Credit JALC SPN102
Prerequisite: Spanish 2 or at least one year of Heritage Spanish (for 10th grade and up), or teacher recommendation. Students with less than a C average in the previous course sequence may lack some of the prerequisite skills needed for this class.
In this early intermediate level course, students are exposed to more complex language features through some authentic resources such as songs and art, content-based units related to sustainable development goals and novels. While reading and listening are pivotal to instruction, a more important emphasis on writing and speaking is present in this course based on the language that students have acquired at this point in the program. Because auditory input is one of the primary components of the course, attendance is a vital component to be successful. Upon successful completion, students will receive 4 credit hours from John A. Logan College. These credits may be transferred to other universities. **A semester grade of a C or higher is strongly recommended to continue in the course sequence. When warranted, a placement test will be administered to determine proper placement of the student.**

HONORS SPANISH 4 **Grades 11-12** **Elective** **Full Year** **5241**

Additional Information: Dual Credit JALC SPN201

Prerequisite: Honors Spanish 3, proficiency, or teacher recommendation. Students with less than a C average in the previous course sequence may lack some of the prerequisite skills needed for this class.

In this early intermediate level course, students are exposed to more complex language features through some authentic resources such as songs and art, content-based units related to sustainable development goals, and novels. While reading and listening are pivotal to instruction, a more important emphasis on writing and speaking is present in this course based on the language that students have acquired at this point in the program. Because auditory input is one of the primary components of the course, attendance is a vital component to be successful. Upon successful completion, students will receive 4 credit hours form John A. Logan College. These credits may be transferred to other universities.

HONORS/AP SPANISH 4 **Grades 11-12** **Elective** **Full Year** **5242**

Additional Information: Dual Credit JALC SPN201 & SPN202

Prerequisite: **A grade of a B or writing consistently at an intermediate mid-level.**

This course is designed to integrate and refine students' reading, writing, listening, and speaking skills for the purpose of taking the AP Spanish Language and Culture exam at the close of the second semester. Curriculum is aligned with current World Readiness Language Standards and addresses AP exam formatting of the following: Interpretive Communication via print and audio texts, Interpersonal and Presentational Writing, and Interpersonal and Presentational Speaking. Students have access to the AP exam rubrics and, in addition to the textbook, this course employs the accompanying online digital Explorer component in order to access a variety of globally themed authentic resources. While using Explorer, students will record both Interpersonal and Presentational samples on a regular basis in order to gain measurable improvement in the target language. Upon successful completion, students will receive 8 credit hours form John A. Logan College. These credits may be transferred to other universities.

Please note: Students who opt not to take the AP test will be required to test instead for the Seal of Biliteracy.

SPANISH LANGUAGE ARTS **Grades 9-12** **Required** **Full Year** **9705**

This course is designed for native Spanish speakers who are also enrolled in ESL as part of the transitional bilingual education program. Students will receive instruction that reflects similar content from English Language Arts class while also adding components related to the cultural backgrounds of the students. Students will also learn proper spelling, grammar and punctuation in the Spanish language. Research shows that literacy instruction in the home language is a key factor to learning English as an additional language.

OFF CAMPUS - DUAL CREDIT CLASSES

AMERICAN SIGN LANGUAGE 1 Grades 11-12 Elective Semester 5901

Prerequisite: Students must take the Accuplacer exam and meet a minimal score requirement in Reading. Students must provide their own transportation to John A. Logan College. Student is responsible for any fees charged by JALC.
This dual credit course is designed for students interested in learning and developing basic American Sign Language skills, as well as, an understanding of the cultural aspects of the deaf community. Students will learn to communicate with deaf persons through finger spelling, signed words, and gestures. Course topics may also include becoming aware of issues facing the deaf population. ASL 1, will be taught on the John A. Logan College campus. A grade of C or higher must be achieved to advance to ASL 2.

AMERICAN SIGN LANGUAGE 2 Grades 11-12 Elective Semester 5902

Prerequisite: ASL 1 with a grade of C or better. Students must provide their own transportation to John A. Logan College. Student is responsible for any fees charged by JALC.
This dual credit course is a continuation of ASL 1. It is designed to further develop communicative proficiencies through the use of American Sign Language skills at the intermediate level. It will extend students' ability to understand and express themselves, through written and manual execution of American Sign Language, and increase their vocabulary and speed. Students may also develop receptive and expressive proficiency by engaging in discourse for informative or social purposes. ASL 2 will be taught on the John A. Logan College campus.

AUTOMOTIVE BRAKING SYSTEMS Grades 11-12 Elective Semester 6850

Additional Information: 2 Periods, Dual Credit JALC AST173
Prerequisites: Students must take the Accuplacer exam and meet a minimal score requirement in Reading. Students must provide their own transportation to John A. Logan College. Student is responsible for any fees charged by JALC.
This course provides instruction in hydraulic principles, brake lines and hoses, disc and drum brake components, and anti-lock braking systems.

AUTOMOTIVE ENGINE REPAIR Grades 11-12 Elective Semester 6851

Additional Information: 2 Periods, Dual Credit JALC AST170
Prerequisites: Students must take the Accuplacer exam and meet a minimal score requirement in Reading. Students must provide their own transportation to John A. Logan College. Student is responsible for any fees charged by JALC.
This course is a study of the diagnosis and repair of cylinder heads and valve trains, short blocks, and lubrication and cooling system components. General engine diagnosis and engine completion and start-up procedures are also covered.

AUTOMOTIVE FUEL & EXHAUST SYSTEMS Grades 11-12 Elective Semester 6852

Additional Information: 2 Periods, Dual Credit JALC AST171B
Prerequisites: AST 171A. Students must provide their own transportation to John A. Logan College. Student is responsible for any fees charged by JALC.
This course is a study of fuel and exhaust systems, including carburetion, fuel injection, and computer controlled fuel systems.

AUTOMOTIVE IGNITION SYSTEMS Grades 11-12 Elective Semester 6855

Additional Information: 2 Periods, Dual Credit JALC AST171A
Prerequisites: Students must take the Accuplacer exam and meet a minimal score requirement in Reading. . Students must provide their own transportation to John A. Logan College. Student is responsible for any fees charged by JALC.
This course is a study of ignition systems, beginning with breaker point systems and covering the evolution through computerized ignition systems.

AUTOMOTIVE INTRO TO AUTO SERVICES **Grades 11-12** **Elective** **Semester** **6854**

Additional Information: Dual Credit JALC AST172

Prerequisites: Students must take the Accuplacer exam and meet a minimal score requirement in Reading. Students must provide their own transportation to John A. Logan College. Student is responsible for any fees charged by JALC. This course is a study of shop safety, shop operation, and career opportunities in automotive technology. Also covered are basic servicing techniques as applied to engine repair and automatic transmissions and transaxles.

AUTOMOTIVE SUSPENSION & STEERING **Grades 11-12** **Elective** **Semester** **6850**

Additional Information: 2 Periods, Dual Credit JALC AST281

Prerequisites: Students must take the Accuplacer exam and meet a minimal score requirement in Reading. Students must provide their own transportation to John A. Logan College. Student is responsible for any fees charged by JALC. This course is a study of suspension and steering system diagnosis, repair, and adjustment.

CONSTRUCTION CRAFT PREP PROGRAM **Grades 11-12** **Elective** **Full Year** **6869**

Additional Information: Triple Credit – ILCJATP Apprenticeship Program & Shawnee Community College)

Junior Year – 2 class periods

Senior Year – 3 class periods

Prerequisites: Students must complete an application and be approved to enroll in the CCPP.

The Construction Craft Preparation Program is a "triple credit" program at the Illinois Laborers' and Contractors' Joint Apprenticeship Training Facility in Marion, IL. Students must provide their own transportation to the training facility. Students enrolled in the program will earn credit from the ILCJATP Apprenticeship Program and from Shawnee Community College towards the Labor Degree Program. The program requires a two year commitment and good attendance. The program sequence includes courses in: Craft Orientation, General Construction, Concrete, Construction Math, Bridge, Masonry, Landscaping, Asphalt Work, Hoisting and Rigging, Grade Checking, GPS, Blueprint Reading, Asbestos Abatement, and Pipe Laying.