

Central High School Curriculum Guide



2022-2023



Central Community Unit School District 301

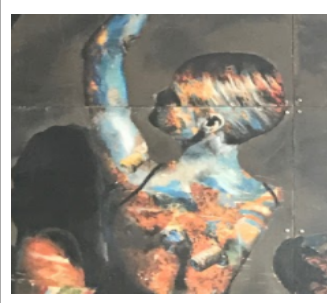


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Important Dates

Date	Descriptions
March 1	Course selection video to be played in Advisory/Task.
March 1-7	Skyward opens up for <u>all students</u> to login and begin entering course requests and alternate course requests.
March 10-24	CHS Counselors meet one on one with <u>current juniors, sophomores and freshmen</u> to review 22-23 course requests.
March 24	Last day for completed ECC agreement forms to be turned in to counselors.
March 24	Last day to submit ECC online application.
April 8	All placement tests for ECC students <u>must be completed by</u> this date.
March 2, 8, 9	CHS Counselors meet with <u>current 8th graders</u> at CMS to finalize course selection for 22-23.
Look out for communication from ECC	ECC Dual Credit Welcome Night
30 days after registration has opened	Last day for students to request changes to their 22-23 schedule

General Information

HOW TO USE THIS GUIDE

This guide has been created to help you select your classes. It contains most of the information you will need to make your course selections for the upcoming school year. As you begin the process of selecting your courses, pay careful attention to the prerequisites and grade levels required for the course you are interested in to ensure you are selecting only courses for which you are eligible. The number of credit hours earned for a class are indicated.

Colleges, universities, and other post-secondary institutions require students to have successfully completed certain coursework in high school. However, not all post-secondary institutions have the same entrance requirements and some may exceed Central Community Unit School District 301's minimum graduation requirements. Students are encouraged to research entrance requirements thoroughly. More specific information on college entrance requirements can be found on [Page 12](#). Please see your school counselor for assistance.

Please note that certain courses require teacher approval or a mandatory teacher meeting. You are encouraged to discuss class placement with your counselor and current teachers, but be aware that signing up for a class does not guarantee enrollment in that class. Also, all students must have a parent/guardian's signature on the registration sheet.

Please contact your assigned counselor by e-mail or phone if you have questions or want to schedule an appointment.

School Counselor for:	School Counselor Name:	Contact Information:
Last Names A - DR and Dual Credit	Mr. Brian Melvin	Email: brian.melvin@central301.net Phone: 847-464-0025
Last Names DU - LAV	Ms. Gina Tauer	Email: gina.tauer@central301.net Phone: 224-990-7254
Last Names LAW - RY And Life Skills	Ms. Rachel Ginter	Email: rachel.ginter@central301.net Phone: 847-464-6037
Last Names SA - Z And ELL	Mrs. Megan Marciniac	Email: megan.marciniac@central301.net Phone: 847-464-6036

GRADUATION REQUIREMENTS

The objective of every student should be to earn a high school diploma. Before receiving a diploma, a student must successfully complete all graduation requirements as specified by the Central Community Unit School District 301 Board of Education, the Illinois State Board of Education, and The School Code of Illinois. Students receive a half credit for each class in which they receive a passing grade for the semester, except as indicated in this guide. ***A total of 22.5 credits are required for graduation from Central High School in the 2023 school year. Future years will be as follows: 21.5 credits for the class of 2024 and 20.5 for the classes of 2025 and 2026.** This total may be adjusted down if a student transfers to Central High School from another school that offered less opportunities to earn credits. Graduation credits must include the following:

Department/Course	Credits
English	4 credits (8 semesters)
Mathematics	3 credits (6 semesters)
Science	2 credits
Social Studies	2.5 credits
Humanities (Fine Arts/Foreign Language/Career Tech Education)	0.5 credit
Personal Finance	0.5 credit
Wellness	3.5 credits (Driver's Ed does not apply)
Health	0.5 credits
Elective	4 credits
Total	22.5 credits Class of 2023 21.5 credits Class of 2024 20.5 credits Class of 2025 and 2026

SPECIFIC COURSE REQUIREMENTS

(The following courses MUST be completed in order for students to graduate from Central High School)

English 1 (or Honors English 1)	Math 1
English 2 (or Honors English 2)	Math 2 (or Honors Math 2)
English 3 (or AP English Lit & Comp)	Algebra 2 (or Accelerated Algebra 2)
Senior English (writing elective or AP Lang)	Health 1
Senior English (reading/literature elective or AP Lang)	American Government (or AP US Gov & Politics)
United States History (or AP US History)	Personal Finance (or equivalent - see Page 7)
Global Studies (or AP Human Geography)	Molecular Biology (for Class of 2023 and beyond)

CREDITS FROM OTHER INSTITUTIONS

Other than credits transferred from another high school when a student establishes residence in the district, students may earn no more than two credits from a pre-approved program such as a correspondence course. Students desiring to earn more than two credits from an outside source must seek and receive permission from the principal or designee before doing so.

ACADEMIC STANDING

Students at Central High School are classified based on their number of credits successfully completed rather than the number of years they have attended high school. For the purposes of classifying students by grade, the following guidelines are used:

- To be classified as a sophomore, a student must have earned at least 5.5 credits;
- To be classified as a junior, a student must have earned at least 11.5 credits;
- To be classified as a senior, a student must have earned at least 17 credits;

Note: Any student who transfers to Central High School who has not had the opportunity to earn 7 credits per year at their previous school(s) will have their academic standing adjusted accordingly.

CREDIT RECOVERY OPTIONS

Students who have failed courses and are in need of credit recovery should discuss their options with their counselor. Those options can include but are not limited to, the following:

1. Repeating the course that was failed in either District 301 summer school program or a subsequent semester/year;
2. Taking an equivalent course through a distance education provider such as the American School of Correspondence, Penn Foster High School, Illinois Virtual School, or other accredited institution. As indicated on [Page 4](#), students may apply up to two (2) credits from such outside providers toward their Central High School diploma. Students seeking to take more than two credits should see their counselor first and will need to obtain permission from the principal, or designee, in order to do so;
3. Students may be recommended to enroll in our in-house, computer-based credit recovery program, Central Academy. Central Academy is a limited admission program, where students can take courses offered at Central High School in an online format for students who are not on track for graduation. This type of learning is self-paced and intended for the student who is motivated to work diligently to complete credits at a faster rate than they could in the traditional classroom setting. All potential Central Academy students must be recommended by their counselor to be enrolled into the program. Please speak with your counselor to discuss this option.

ADVANCED PLACEMENT (AP) COURSES

The Advanced Placement (AP) Pathway can open doors to competitive colleges and universities and to honors programs at other universities. More importantly, completing a successful AP experience can better prepare students for college success. College admissions offices recognize that an honors curriculum and district-written assessments for honors courses may vary from state to state, and even from district to district. Since the AP curriculum and accompanying exam represents a nationally standardized program, many admissions offices, particularly at competitive colleges, show a preference for students who have successfully completed an AP curriculum.

AP courses offer high school students an opportunity to study college-level material while still enrolled in high school. All students who enroll in AP courses are encouraged to take the AP exam in May. By participating in the AP examination program, students may receive advanced placement, credit, or both for a specific college or university. IL law now requires all state schools to accept a score of 3 or higher for credit. Even students earning below a 3 may advance their placement, saving him/herself money, even if they are not earning credit. Check with specific colleges or universities to see how AP credit is accepted. Each AP test has a fee. **The following Advanced Placement courses are offered at CHS:**

AP Biology	AP English Language & Comp	AP Music Theory	AP Physics 1	AP Studio Art: 2D - Design
AP Calculus AB	AP English Literature & Comp		AP Physics 2	AP Studio Art: 3D - Design
AP Calculus BC	AP Environmental Science		AP Psychology	AP Studio Art: Drawing

AP Chemistry	AP German Lang & Culture		AP Spanish Lang & Culture	AP US Government & Politics
AP Computer Science A	AP Human Geography		AP Statistics	AP United States History

Note: All Advanced Placement courses are weighted to count more heavily in the calculation of Grade Point Average (GPA).

Advanced Placement (AP) courses approved by the College Board will be given weighted credit. Additionally, honors courses designated in the course catalog will be given weighted credit based on at least five of the seven characteristics listed below:

- The course includes college level content or syllabus.
- The quality of learning activities, projects, and assignments in the course is significantly more than in other courses.
- The ideas and concepts studied in the course are significantly more complex than in other courses.
- The pace is accelerated in comparison to standard courses.
- The course includes assessments in the areas of analysis, synthesis, and evaluation.
- The time required outside of regular class period is significantly more than in other classes.
- The course completes the sequence of classes/programs.

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

Transfer students will receive weighted credit only for the courses that are given additional weight at Central High School. The weight given to each transfer grade will be the same as the weight given to courses at Central High School.

PLACEMENT IN FRESHMAN CLASSES

Except as indicated elsewhere in this guide, as a general rule, initial placement in freshman courses will be based on a combination of student performance on standardized test scores, articulation between the high school and middle school staff, and, in certain select cases, student performance on diagnostic tests.

PREREQUISITES

A prerequisite may be a course, a grade in a course, or a year in school. If a course has a prerequisite, it will be listed just below the course name in this guide. You must meet the prerequisites required for a course before you are allowed to enroll in it. If you have not met the grade requirements to enroll in the course, you may also seek a waiver form from your counselor.

SPECIAL EDUCATION

The Special Education Department provides support for students with identified disabilities. Through the evaluation process, the appropriate level of service for the student is determined. The appropriate supports and services are outlined in each student's Individualized Education Program (IEP) and are in accordance with the requirements set forth by the Individuals with Disabilities Education Act (IDEA). District 301 makes every effort to educate students in the Least Restrictive Environment (LRE). Placement in Special Education courses is made only through the recommendation of the IEP team.

COURSE LOAD

Students must register for 7 credits each school year (3.5 per semester). Students taking ECC Dual Credit courses or courses through our Regional Pathways Program may earn less than 7 or more than 7 credits per year depending on the program.

MEETING THE PERSONAL FINANCE REQUIREMENT

The State of Illinois requires that all high school graduates possess minimum competencies in the area of Consumer Education. At Central High School this competency can be shown in one of four ways:

- 1.) Successfully completing the course Personal Finance.
- 2.) Successfully completing the course Economics.
- 3.) Successfully completing the course INCubatoredu Entrepreneurship.
- 4.) Successfully completing the course Cooperative Education.

COURSES IN TWO SUBJECT AREAS

Some courses at Central High School can be taken for different types of credit. If you choose one of these courses, you must declare at the time of course selection what type of credit you wish to receive. **Please note that the below courses are not considered lab sciences.** The courses which offer these options are:

Course Name	Credit Type
Introduction to Agricultural Science	Career Tech Education or Science
Plant Science	Career Tech Education or Science
Veterinary Sciences 1	Career Tech Education or Science
Veterinary Sciences 2	Career Tech Education or Science
Biotechnology	Career Tech Education or Science
Alternative Energy	Career Tech Education or Science

EARLY GRADUATION (BOARD POLICY 6:300)

1. A request for early graduation must be approved by the student's parents/guardians and Administration.
2. Students requesting early graduation must have the Early Graduation form completed and turned in to their assigned counselor by October 1 of their Senior Year. All correspondence work must be completed and final grades must be reported to the school by December 1. If coursework is not completed by that date, the student will be ineligible for early graduation.
3. All school fines, fees, and materials must be paid and returned by the student's last day of school.
4. The student must have met all graduation requirements of Central High School and District requirements for early graduation.
5. As an early graduate of Central High School, the student relinquishes student privileges and assumes adult privileges. Early graduates may be invited to attend Prom, senior breakfast, and other such senior activities that might be scheduled.
6. Seniors graduating early will be permitted to participate in graduation events, provided they are in accordance with the District's graduation policy.

REPEATING COURSES

1. The course must be labeled as "course may be repeated" in the Curriculum Guide.
2. The course must be repeated prior to the student taking any course for which it is a prerequisite.

CORRESPONDENCE/ONLINE CLASSES

A student seeking graduation from Central High School may submit to the school a certificate of successful completion of an appropriate correspondence or online course as two Carnegie Units of credit toward graduation according to the following conditions:

1. Courses must have prior approval of the school counselor and Assistant Principal of College and Career Readiness, see below to see situations that have been previously approved):
 - a. Credit Recovery
 - b. Early Graduation
 - c. AP course that CHS does not offer
 - d. Schedule Conflict
 - e. Student has taken all class offerings in a specific subject at CHS
2. A student enrolled in any correspondence or online course may receive high school credit for work completed provided:
 - a. The course is offered by an institution accredited by the North Central Association of Colleges and Secondary Schools, NCATE, or the equivalent approved by the Superintendent or designee.
 - b. The student assumes responsibility for all fees, including tuition, textbooks, and other fees.
3. Grades earned in approved courses will count toward a student's grade point average, class rank, and eligibility for athletic and co-curricular activities.

COURSE SELECTION AND SCHEDULE CHANGES

1. Students will be permitted to make changes to their schedule for the following school year until 30 days after registration for the following year has begun. (I.e. If registration opens on April 1st, students would have until May 1st to request changes to their schedule.) Students should contact their counselor by phone or e-mail to request such changes.
2. Unless a schedule change is necessary because a student either failed a course, or a student needs a course in a particular area to graduate, all other requests to change a student's schedule after 30 days after registration has begun will not be permitted.
3. Students may access a copy of their schedule during the summer by using Skyward.

On/Off Campus Course Offerings

REGIONAL PATHWAYS PROGRAM – SEE PAGE 29

District 509 is comprised of the high schools that have students who live in the Elgin Community College boundaries. An agreement has been made for CHS students to be able to access CTE programs at surrounding high schools within the 509 boundary lines. The courses available to CHS students are listed on page 29 in this guide. In addition, students in the other 509 schools will have the opportunity to attend CHS to access our Agriculture programs. Each program available to CHS students through this agreement are three year commitments that end with the possibility of a student becoming certified in their field of study. Students enrolled in each of these programs will be transported by bus. When the number of students who sign up is higher than spots available, student grades and teacher recommendations in the related subject areas shall be considered in deciding who will be able to enroll in any program through the 509 agreement.

ELGIN COMMUNITY COLLEGE (ECC) DUAL CREDIT

Juniors and seniors may elect to attend Elgin Community College (ECC) courses during part or all of the regular school day and earn both high school and college credits through the Dual Credit Programs. Credits earned through the Dual Credit Program can give students a “jump start” on an Associates Degree from Elgin Community College.

*** Sophomores, juniors and seniors may elect to participate in Dual Credit courses here at Central High School. These courses are listed throughout this guide at the end of each content area.

Students enrolled in a part time ECC Dual Credit Program at ECC will be required to pay for their own books and supplies. Students enrolled in part time ECC Dual Credit Programming taught at CHS will have their books paid for them. **In addition, if a student should be removed or withdraws from the ECC Dual Credit Program prior to completing the semester, the student will be required to pay for that semester.** Please note that enrolling in this type of program, successful or not, becomes a part of your official college transcript.

To enroll in an ECC Dual Credit Program, students must:

- 1.) Complete the application forms (available in the Student Services Office)
- 2.) Meet entrance requirements established by ECC for each course. All programs will require appropriate ACT subject scores/SAT subject scores or placement test scores. Please see your school counselor or the specific course descriptions can be found in the CHS Dual Credit Course Guide.
- 3.) Students must be able to provide their own transportation to their ECC classes, therefore needing at least a 2.5 GPA to drive to school.
- 4.) In addition, when the number of students who sign up for ECC is higher than spots available, student grades and teacher recommendations in the related subject areas shall be considered when deciding who will be able to enroll in any given ECC Dual Credit Program.

Naviance - College & Career Exploration

All students are assigned a counselor that they will work with over the entirety of their four years at Central High School. Students are assigned to counselors by last name and are assigned as follows:

Last Names A - DR and Dual Credit	Mr. Brian Melvin
Last Names DU - LAV	Ms. Gina Tauer
Last Names LAW - RY And Life Skills	Ms. Rachel Ginter
Last Names SA - Z And ELL	Ms. Megan Marciniec

The mission of the Central High School counseling department is as follows:

The mission of the school counseling program is to center all students around an engaging curriculum that encourages the highest level of student achievement through their growth in academic, career, and personal/social domains. In partnership with teachers, administrators, parents and a caring community, the school counselors will help all students to be successful lifelong learners and problem solvers.

NAVIANCE

In addition to individual meetings, classroom presentations, and evening presentations covering a variety of topics, one of the essential tools counselors use in assisting students is Naviance. Naviance is a college and career readiness platform that helps connect academic achievement to post-secondary goals. This comprehensive college and career readiness solution empowers students and families to connect learning and life and provides counselors with information they need to help students prepare for life after high school. It also allows students to create a plan for their futures by helping them discover their individual strengths and learning styles and explore college and career options based on their results.

Students will initially obtain their login information for Naviance in 8th grade. However, should students lose their login information, they may see their counselor to regain entry to the program. In addition, all parents will be provided with their own individual login where they can access the Naviance program for all students they have in the district grades 8-12.



NAVIANCE

College Connection for High School Students

8th Grade Year: “Self-Assessment”

- Complete Career Day Survey / Reflection
- Take Career Cluster Survey
- Take Meyers-Briggs Personality Test
- Complete MI Advantage
- Take Learning Styles Inventory
- Take Strength’s Explorer
- Complete the 4 Year Course Planner

Freshman Year: “Career Exploration”

- Update 4-Year Plan (*utilizing all self-assessments from 8th grade year*); Map future coursework.
- Research details of careers identified in Career Cluster Survey results from previous year.
- Complete the Career Interest Profiler in Naviance.
- Complete career interest profiler worksheet in Naviance

Sophomore Year: “College Exploration”

- Update 4-Year Plan
- Complete Game Plan Survey during *Semester 1*
- Complete “Do What You Are” on Naviance.
- Complete “Do What You Are” worksheet.
- Begin college exploration using Super Match feature during *Semester 2*
- Begin to build a Resume in Naviance
- Begin to assemble a list of Colleges under Colleges I’m Thinking About

Junior Year: “Refining College and Career Options”

- Register to attend presentations with college representatives who visit CHS
- Attend College Fair
- Complete College Fair Worksheet in Naviance
- Visit college campuses and complete College Visit Reflection after each visit
- Edit Resume in Naviance
- Begin to assemble a list of Colleges under Colleges I am Applying To
- Research scholarship opportunities in Scholarship Match and Scholarship List

Senior Year: “Finalizing Post High School Plans”

- Complete College Applications
- Complete Senior Profile Questionnaire
- Request official transcripts to accompany college applications
- Request letters of recommendations to accompany college applications
- Register to retake ACT/SAT (*if necessary*)
- Register to attend presentations with college representatives who visit CHS
- Visit college campuses and complete College Visit Reflection after each visit
- Complete FAFSA
- Research scholarship opportunities in Scholarship Match and Scholarship List
- Complete Senior Exit Survey

Note: Grade levels where tasks are completed are subject to change.

College & University Entrance Requirements

Because there are thousands of colleges and universities and because each one determines their own individual admissions requirements, we highly encourage students to thoroughly check the admissions web sites of the colleges and universities they are interested in applying to as well as consult with their school counselor. However, in general, most four year universities require the following at a minimum:

English	4 years
Mathematics recommended	3 years (which must include Algebra 1/Math 1, Geometry, and Algebra 2/Math 2); 4 years recommended
Science	3 years laboratory science
Social Studies	3 years
Humanities/Foreign Lang.	2 years (some universities specifically require foreign language)

ENTRANCE REQUIREMENTS FOR TOP CHS COLLEGE DESTINATIONS

*Subject to change without notice

University	GPA	Composite ACT	Composite SAT	Other course Requirements for Admissions
Aurora University	2.5	19	980	Not required
Augustana College	3.0	23 - 29	1130 - 1380	2 years of one language
Illinois State University	3.03 - 3.78	21 - 26	1060 - 1270	2 years of one language or 2 years of fine arts
University of Iowa	3.69	23 - 28	1060 - 1270	2 years of one language
Iowa State University	3.6	25	1180	Not required
University of Minnesota	3.78 - Class rank 81-97%	28	1360	2 years of one language
University of Missouri	Not provided	24	1160	2 years of one language
North Central College	3.56	24	unknown	Multiple years of the same foreign language are strongly recommended
Northern Illinois University	2.5-2.75	19-23	990-1140	2 years of electives from foreign language, art or music
Purdue University	3.59 - 4.0	26 - 31	1160 - 1360	2 years of one language
Southern Illinois University	2.38 - 3.47	19 - 26	unknown	Not required. Used toward fulfillment of 2 year elective requirement. Must include two semesters of the same language.
University of Illinois - Chicago	3.03 - 3.60	22 - 26	unknown	2 years on one language recommended
University of Illinois - Urbana	3.37 - 3.89	27 - 33	1360 - 1480 (no writing)	2 years of one language but 4 years are strongly recommended and 2 years of coursework in art, music, or voc ed.
Western Illinois University	2.72 - 3.52	18-23	940 - 1150	2 years of electives from art, film, foreign language, music, speech, theater, journalism, or voc ed.

NCAA Initial Eligibility Standards

There are guidelines published and enforced by the National Collegiate Athletic Association (NCAA) which govern eligibility for athletic scholarships at Division I and II colleges. The NCAA judges course work of high school students and determines whether it meets the requirements for a scholarship.

NCAA Division I Initial Eligibility Requirements

Core Courses

Sixteen (16) core courses are required (see chart below for subject-area requirements).

- Ten core courses completed before the seventh semester; 7 of the 10 must be in English, math, or natural/physical science.
 - These courses/grades are “locked in” at the start of seventh semester (cannot be repeated for grade-point average [GPA] improvement to meet initial-eligibility requirements for competition).

It is still possible for a Division 1 college-bound student-athlete to still receive athletics aid and the ability to practice with the team if he or she fails to meet the 10 course requirement, but would not be able to compete, by meeting the academic redshirt requirements* (see below).

Test Scores (ACT/SAT)

Students must present a corresponding test score and core-course GPA on the sliding scale.

- **SAT:** critical reading and math sections.
 - Best subscore from each section is used to determine the SAT combined score for initial eligibility.
- **ACT:** English, math, reading, and science sections.
 - Best subscores from each section is used to determine the ACT sum score for initial eligibility.

All ACT and SAT attempts before initial full-time collegiate enrollment may be used for initial eligibility.

Enter 9999 during ACT or SAT registration to ensure the testing agency reports your score directly to the NCAA Eligibility Center. Test scores on transcripts will not be used.

Core Grade-Point Average

Only core courses that appear on the high school’s List of NCAA Courses on the NCAA Eligibility Center’s website (www.eligibilitycenter.org) will be used to calculate your core-course GPA. Use the list as a guide.

Students must present a corresponding test score (ACT sum score or SAT combined score) and core course GPA (minimum 2.300) on Sliding Scale B.

Core-course GPA is calculated using the **best 16 core courses** that meet both progression (10 before seventh semester; seven in English, math, or science; “locked in”) and subject-area requirements.

Division 1 Core-Course Requirement	Division 1 Qualifier Requirements (Aid, practice, & compete)	Division 1 Academic Redshirt Requirements* (Aid & practice but can not compete)
<ul style="list-style-type: none"> ● 16 core courses <ul style="list-style-type: none"> ○ 4 years of English ○ 3 years of math (Alg 1 or higher) ○ 2 years of natural/physical science ○ 1 year of additional English, math, or natural/physical science ○ 2 years of social science ○ 4 years of additional courses (any area above, foreign language, or comparative religion/philosophy) 	<ul style="list-style-type: none"> ● 16 core courses ● 10 core courses completed before the start of the seventh semester <ul style="list-style-type: none"> ○ 7 of the 10 must be in English, math, or natural/physical science <ul style="list-style-type: none"> ■ Locked in for core-course GPA calculation ● Corresponding test score (ACT sum or SAT combined score) and core-course GPA (min 2.300) on Sliding Scale B ● Graduate from high school 	<ul style="list-style-type: none"> ● 16 core courses ● No grades/credits locked in <ul style="list-style-type: none"> ○ Repeated courses after the seventh semester begins may be used for initial eligibility ● Corresponding test score and core-course GPA on Sliding Scale B. <ul style="list-style-type: none"> ○ Test - ACT sum score or SAT combined score ○ GPA - minimum 2.000 ● Graduate from high school

For more information, visit www.eligibilitycenter.org

NCAA Division II Initial Eligibility Requirements

Core Courses

Division II currently requires 16 core courses. See the chart below.

Beginning August 1, 2018, to become a full or partial qualifier for Division II, all college-bound student-athletes must complete the 16 core-course requirement.

Test Scores (ACT/SAT)

Division II currently requires a minimum SAT score of 820 or an ACT sum score of 68.

Beginning August 1, 2018, Division II will use a sliding scale to match test scores and core-course grade-point averages (GPA). The sliding scale for those requirements can be found at www.eligibilitycenter.org under the resources link.

The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.

The ACT score used for NCAA purposes is a **sum** of the following four sections on the ACT: English, math, reading and science.

Enter 9999 during ACT or SAT registration to ensure the testing agency reports your score directly to the NCAA Eligibility Center. Test scores on transcripts will not be used.

Core Grade-Point Average

Be sure to look at Central High School's list of NCAA-approved core courses on the Eligibility Center Website (www.eligibilitycenter.org). Only courses that appear on Central High School's approved List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.

The current **Division II** core GPA requirement is a minimum of 2.000. **Division II** core GPA required to be eligible for competition on or after August 1, 2018, IS 2.200 (corresponding test-score requirements are listed on the Sliding Scale).

Remember, the NCAA core GPA is calculated using NCAA core courses only.

Division 2
<ul style="list-style-type: none">● 16 core courses<ul style="list-style-type: none">○ 3 years of English○ 2 years of math (Alg 1 or higher)○ 2 years of natural/physical science○ 3 year of additional English, math, or natural/physical science○ 2 years of social science○ 4 years of additional courses (any area above, foreign language, or comparative religion/philosophy)

CTE: Career & Technical Education



CAREER & TECHNICAL EDUCATION

Career Connected Learning for All Students

WHAT IS CAREER AND TECHNICAL EDUCATION?

Career and Technical Education (CTE) prepares individuals for high-skill, high-wage, in-demand employment that furthers Illinois' global competitiveness. CTE programs provide learners with the skills, knowledge, and confidence they need to thrive in college and careers. All students benefit from career-connected learning that emphasizes real-world skills within a selected career focus. Students gain practical knowledge while discovering and preparing for success in potential careers.

CTE WORKS

- Middle and high school CTE programs in Illinois serve more than 283,000 students. Students take specialized courses, in addition to the required courses in core academic subjects; participate in work-based learning; engage with mentors; and practice what they are learning through hands-on projects. They often have opportunities to earn industry-recognized credentials and college credits while in high school.
- Illinois' community college CTE programs serve more than 131,000 students. Programs offer flexible scheduling, work-based learning, and stackable credentials that provide a pathway from education to employment not only for recent high school graduates, but also for returning adults, veterans, and workers wanting to update their skills.

AN ECONOMIC ENGINE

- Informed by labor market data, CTE prepares students for tomorrow's careers. CTE offers education and advanced training to support high-wage, high-skill, and in-demand occupations, including in Healthcare, Information Technology, Agriculture, Finance, and Education.

- Thriving, modernized CTE programs across Illinois are critical to meeting the State's goal of 60 percent of all Illinoisans with a postsecondary degree or credential by 2025.
- Employer engagement ensures that students have access to industry experts and work-based learning opportunities and that businesses gain a steady pipeline of talent.

INVEST IN CTE

- CTE in Illinois is funded through the federal *Strengthening Career and Technical Education for the 21st Century Act* (also known as Perkins V) and through matching state CTE appropriations.

The Illinois State Board of Education recommended a \$12.6 million state funding increase in FY 2020, for a total of \$50.67 million, to support rural and other high-need districts in updating their CTE opportunities.

The Illinois Community College Board recommended a \$1.8 million increase in FY 2020, for a total of \$19.9 million in state appropriations, to drive local economic growth through career-connected learning.

CTE DELIVERS FOR STUDENTS AND PARENTS



86%

of parents and students nationally in 2017 said they wish students could get more real world knowledge and skills during high school



97%

of students who completed CTE programs in Illinois graduated from high school – compared to the 88 percent statewide average in 2018



63%

of Illinois students taking CTE courses in 2017 enrolled in postsecondary education after graduating high school



63%

or roughly two-thirds of all Illinois community college graduates earned a CTE degree or certificate in 2018



30,000+

students successfully completed dual credit CTE courses in 2018 that earned them college credit, saving time and money toward their degrees



Illinois State Board of Education



Visit

isbe.net/cte / iccb.org/cte

CTE: READINESS FOR ALL CAREERS



CTE students gain pathway-specific **TECHNICAL** and **ACADEMIC** skills as well as cross-cutting **EMPLOYABILITY** skills for success in any workplace, in further education and in career awareness and planning. In fact, CTE inspires and motivates students to develop many of the skills that employers most need across jobs and industries.

1. The Conference Board, Corporate Voices for Working Families, the Partnership for 21st Century Skills and the Society for Human Resource Management, Are They Really Ready to Work?, 2006 (employer responses for skill needs of new workforce entrants with two-year degrees).

2. Alfeld et al., Work-Based Learning Opportunities for High School Students, National Research Center for CTE, 2013.

3. Advance CTE, CTE is Your STEM Strategy, 2013.

4. Lekes et al., CTE Pathway Programs, Academic Performance and the Transition to College and Career, National Research Center for CTE, 2007.

5. My College Options®/ACTE research study, 2017.

6. Hughes & Karp, *School-based Career Development: A Synthesis of the Literature*, Community College Research Center, Teachers, and College, Columbia University, 2004.

7. ACTE, Issue Brief: CTE's Role in Adolescent Literacy, 2009.

8. Alfeld et al., Looking Inside the Black Box: The Value Added by Career and Technical Student Organizations to Students' High School Experience, National Research Center for CTE, 2007.

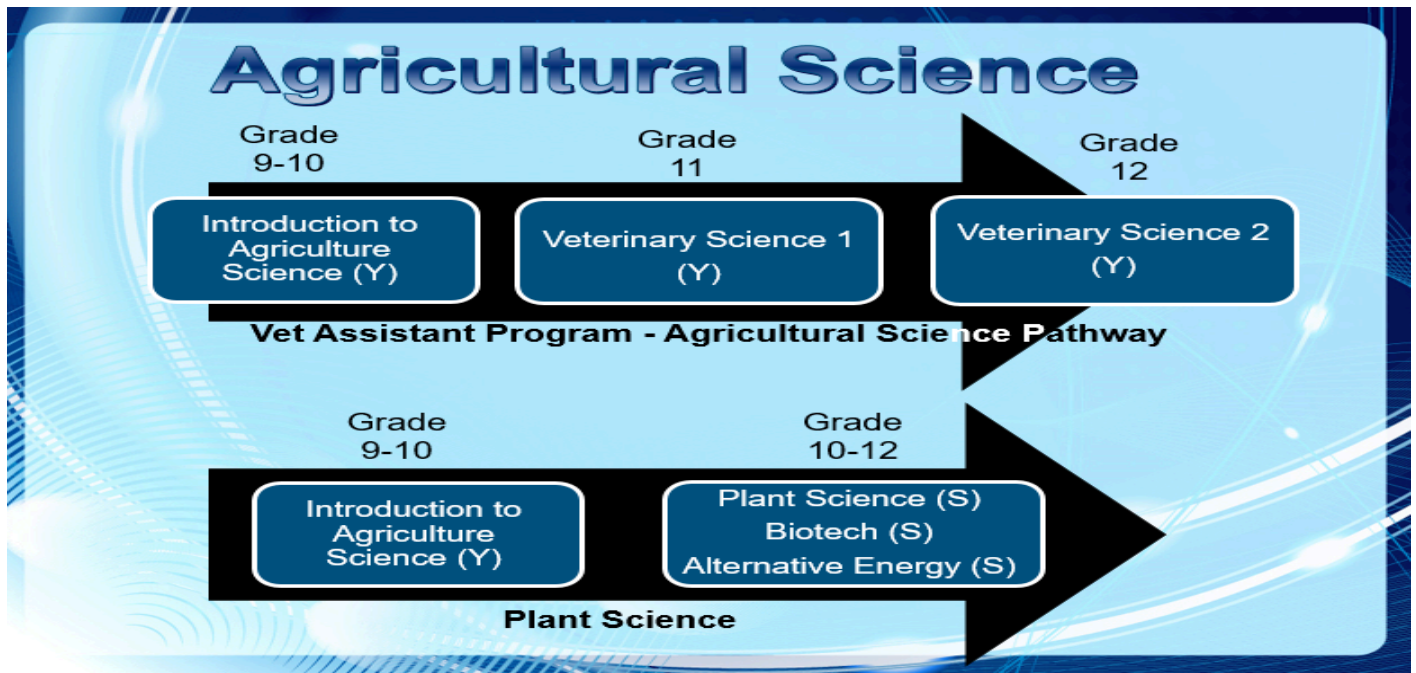
AGRICULTURE SCIENCE PATHWAYS

POTENTIAL CAREER

Veterinary Assistant
 Veterinary Technician
 Veterinarian
 Animal Nutritionist

Animal Breeder
 Animal Breeder
 Horticulturist
 Landscape Architect

Nursery Operator
 Plant Breeder
 Florist
 Turf Grass Manager



EXAMPLES OF LOCAL POST-SECONDARY DEGREES

Associate's Degree

Associate in Science
 Pre Veterinary
 Ag Transfer
 Associate in Applied Science
 Horticulture
 Ag Business

Bachelor's Degree

Pre Vet
 Animal Science
 Plant Science
 Agriculture Science Education
 Agriculture Engineering
 Ag Business

Master's/Doctorate Degree

Doctor of Veterinary Medicine
 Agriculture Science Education
 Animal Science
 Agronomy
 Ag Business
 Public Health

Agriculture Science Program

COURSE DESCRIPTIONS

**For all agriculture classes below, participation in the National FFA Organization and completing a Supervised Agriculture Experience (SAE) project will also be expected in addition to classroom instruction, as they are integral components of the program and allow students to build leadership, communication, and career skills from the course topics. Please see below the course descriptions for more information covering components of the Central FFA Program.

1200/1201	Introduction to Agricultural Science	Year	1.0 Credits
Prerequisites: 9th - 10th grade			Fee: \$15.00 per semester

The Agriculture Science Program consists of three integral components: classroom instruction, participation in the FFA, and completing an agriculture science project. Classroom topics for this course will cover the basic concepts in all areas of agriculture that include the following: animal science, plant and soil science, horticulture, agribusiness, mechanics, and alternative energy.

1215	Biotechnology (Animal & Plant)	Semester	0.5 Credits
Prerequisites: 10th - 12th grade & successful completion of Intro to Ag Science or Department Chair Approval			Fee: \$15.00

Course topics are divided within the two areas of animal and plant which include: Animal – cloning, genotyping, animal growth, gene transfers, and immunoassays; Plant - genetics, plant cloning, genetically modified organisms (GMO's), gene maps, electrophoresis, and gene transfers.

1216	Alternative Energy	Semester	0.5 Credit
Prerequisites: 10th - 12th grade & successful completion of Intro to Ag Science or Department Chair Approval			Fee: \$15.00

Topics will include: energy concepts, bio-processing, biomass, wind energy, solar energy, water, and biofuel energy. This class is mainly project based where students will be building solar powered cars, wind turbines, making biodiesel, etc. to enhance the content covered in class.

1205/1207	Veterinary Science 1	Year (Double-block)	2.0 Credits
Prerequisites: 11th - 12th grade and successful completion of Intro to Ag with a C or better in both semesters, or Department Chair Approval.			Fee: \$15.00 per semester

Topics covered include: Small and companion animal industry, large animal industry, animal health, veterinary office practices, animal restraint in the vet clinic, anatomy, and physiology. A class dissection of a small mammal is included, but an alternative project can be completed instead. **Students in this class will be responsible for providing their own transportation to complete their externship hours at a local vet clinic/animal facility that has been assigned to them as a class component.**

1206/1208	Veterinary Science 2	Year (Double-block)	2.0 Credits
Prerequisites: 11th - 12th grade and successful completion of Vet Science 1 with a C or better in both semesters, or Department Chair Approval			Fee: \$15.00 per semester

This course further educates each student in the topics related to veterinary science. Topics include: veterinary medicine, animal ethics and welfare issues, animal nutrition, anatomy, physiology, animal CPR, and veterinary lab procedures, and office management. At the successful conclusion of this course and program, students will have the opportunity to sit for the national veterinary assistant exam. **Students in this class will be responsible for providing their own transportation to complete their externship hours at a local vet clinic/animal facility that has been assigned to them as a class component.**

1211 Plant Science - Biological Science Applications in Agriculture (BSAA)	Semester	0.5 Credit
Prerequisites: 10th - 12th grade & successful completion of Intro to Ag Science or Department Chair Approval		
Fee: \$15.00		

This course applies scientific principles to relevant agricultural applications. The major area of emphasis will be plant science with topics that include: plant anatomy, physiology, health and nutrition, growth, management, and reproduction.

BE A PART OF SOMETHING BIGGER

Central Burlington FFA Chapter

To provide each student with a well rounded educational, career-relevant experience, designed to develop leadership skills

EVERY AG STUDENT IS AN FFA MEMBER TO ENSURE BY THE TIME THEY LEAVE CHS THEY HAVE DEVELOPED THE COMMUNICATION, LEADERSHIP, AND PROFESSIONAL NETWORK NEEDED TO SUCCEED POST GRADUATION.



The most common regret of not being in FFA:

Not getting involved sooner, and doing more

Competitions

- Vet Science
- Public Speaking
- Public Speaking
- Livestock Judging
- Meats Judging
- Soils Judging
- Job Interview
- Dairy Products
- Proficiency Awards (Record Book)

Leadership

- Chapter, Section, and Leadership Roles
- FFA Degrees (Greenhand, Chapter, State, American)
- State and National Convention
- 212
- Washington Leadership

Scholarship

- Full ride Collegiate Scholarships (based on FFA Competitions)
- Alumni Chapter Senior scholarship
- State FFA Scholarships
- National FFA Scholarships
- Local Scholarships

Involvement in FFA ALL four years in high school, will ensure your success in Competitions, Leadership opportunities, and the number of Scholarships you can receive.

**** In order to be in FFA, you MUST be enrolled in an Ag Class****

BUSINESS, ENTREPRENEURSHIP, AND MARKETING PATHWAYS

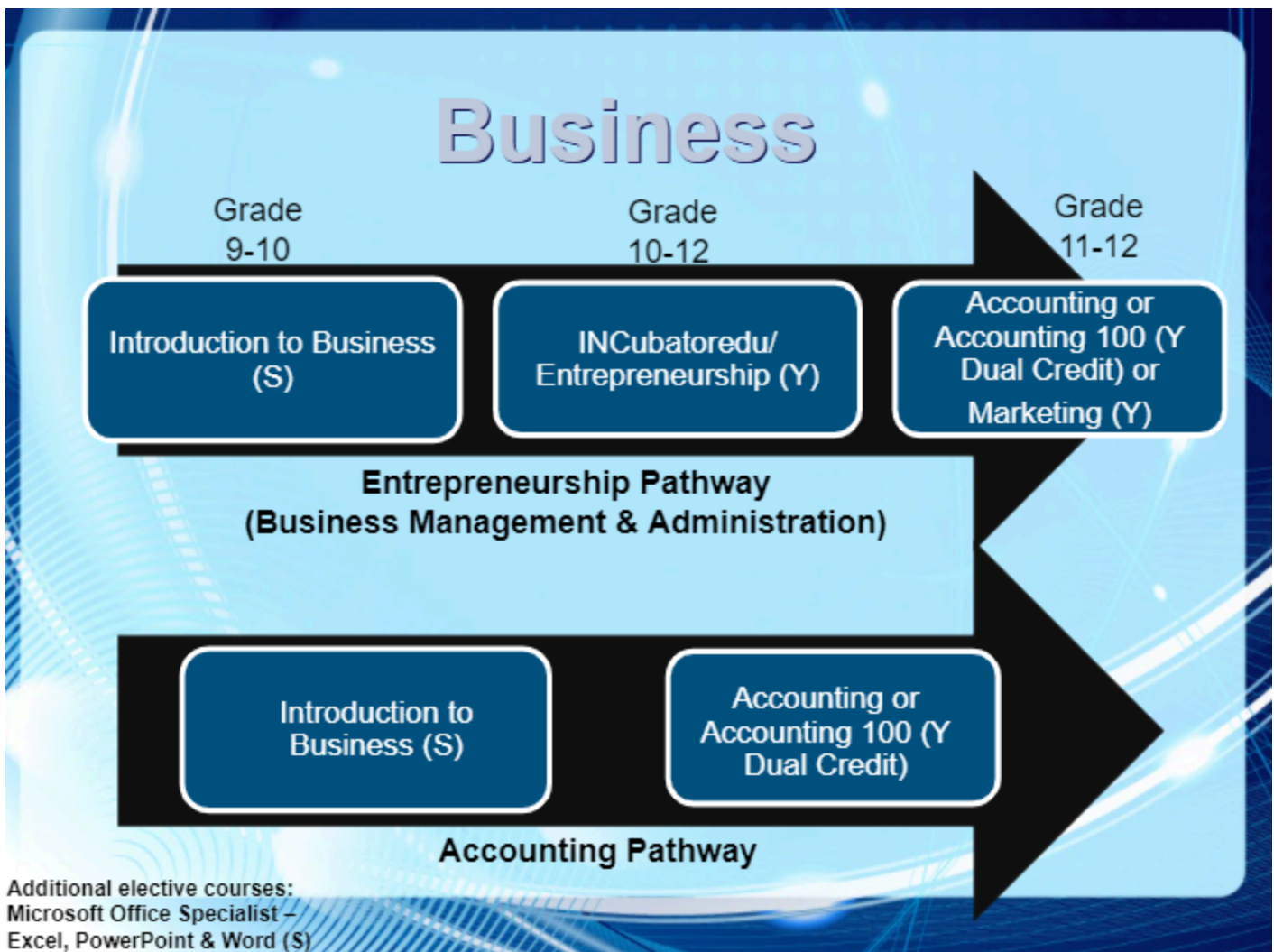


POTENTIAL CAREERS

ACCOUNTANT
 BOOKKEEPER
 BUSINESS INNOVATION
 BUSINESS ANALYTICS
 BUSINESS ADMINISTRATION
 FINANCE/BUDGET ANALYST

MANAGEMENT -
 ENTREPRENEURMARKETING/
 BRAND MANAGERS/ SOCIAL
 MEDIA CAMPAIGNS/CAMPAIGN
 DEVELOPMENT/PROMOTIONA
 L MARKETING WITH

ENTREPRENEUR MINDED
 OPERATIONS AND
 INFORMATION MANAGEMENT
 SALES LEADERS
 SOCIAL ENTREPRENEURSHIP
 TRAINING MANAGERS



EXAMPLES OF LOCAL POST-SECONDARY DEGREES

Associate's Degree

Associate in Applied Science

Bachelor's Degree

- Business in Entrepreneurship/Entrepreneurial Studies
- Business in General Business/Commerce
- Business in Accounting and Finance
- Business in Accounting and Business Management
- Business in Operations Management and Supervision
- Business in Management Science
- Business in International Marketing
- Business in Credit Management

Master's Degree

- Accounting
- Digital Marketing
- Taxation
- Data Analytics
- Finance
- Global and International MBA
- Business Administration
- Information Systems

BUSINESS, ENTREPRENEURSHIP, & MARKETING PROGRAM

COURSE DESCRIPTIONS

1009 Introduction to Business Semester .5 Credits

Prerequisites: 9th - 10th grade (11th - 12th grade w/department chair approval)

This orientation-level course will provide an overview of all aspects of business marketing and management, including the concepts, functions, and skills required for meeting the challenges of operating a business in a global economy. Topics covered will include the various forms of business ownership, including entrepreneurship, as well as the basic functional areas of business (finance, management, marketing, administration, and production). Students will be introduced to a wide range of careers in business. Emphasis will be placed on using the computer while studying applications in these careers along with communication skills. Business ethics will be integrated within this course. This course will provide preparation for the skill level courses that make up the Business, Marketing and Management occupations programs, and is the orientation level course (prerequisite) for Accounting, Entrepreneurship, and/or Marketing.



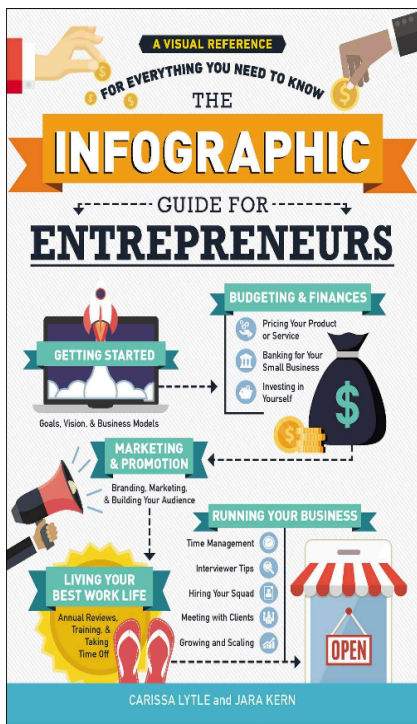
BY UNCHARTED LEARNING

1001/1002 INCubatoredu Entrepreneurship Year 1.0 Credits

Prerequisites: 10th - 12th and successful completion of Introduction to Business (or department chair approval)

This course is designed to get students excited about becoming an entrepreneur by giving them the opportunity to create and fully develop their own product or service in the 21st century classroom learning environment. Real-world entrepreneurs and business experts serve as coaches and mentors guiding student teams through the process of ideation, market research, and business plan development. Over the course of the year, student teams learn about marketing, accounting, as well as the legal aspects of starting a business.





Pitch Week helps to further fire the entrepreneurial spirit by putting student teams in front of actual investors so they can pitch their innovative idea to win funding and turn their wishful thinking into a reality. Student teams whose businesses are funded for launch as well as students who were hired by those teams to operate a launched business may be eligible to earn credit in year 2.

Read more at www.INCubatoredu.org.

Successful completion of this course fulfills the Consumer Education graduation requirement.

**1005/1006
Credits**

Accounting 1

Year

1.0

Prerequisites: 10th - 12th grade and successful completion of Introduction to Business

Accounting ... the language of business. Success in the business world begins with an understanding of accounting. Students complete this course with the skills needed for college accounting courses - essential for business majors - office work, or managing their own small businesses. It includes 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 computer applications will be integrated. In addition, instruction will provide an initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, and career opportunities in the accounting field.

1015/1016

Marketing

Year

1.0 Credits

Prerequisites: 11th - 12th grade and successful completion of Introduction to Business

This course explores the basic principles of marketing such as the creation of concepts, strategies, and the development of marketing plans. Students learn about the components of the marketing mix, target marketing, sponsorship, event marketing, promotions, proposals, and execution of planning. This course emphasizes strong decision-making, critical thinking, and collaborative skills to complete group marketing projects throughout the semester. Marketing introduces students to this exciting field, which includes advertising, consumer research, product development, packaging, and selling. Students will be challenged to create new marketing ideas as they analyze current marketing trends. Real life projects allow students to demonstrate their understanding of these areas. This course will examine the impact of marketing in our everyday lives, as well as teach many critical business concepts to ready students for a career in the area of marketing.



Dual Credit Options

9560IH/9561IH ACC 100: Introductory Accounting

Year

1.0 Credit

Prerequisite: 10th, 11th and 12th Grade, successful completion of Introduction to BUS. ECC: Recommended: BUS 120

The first semester of fundamental financial accounting. Emphasis is on procedural aspects of financial accounting for the single proprietorship. Accrual basis is utilized. Entire accounting cycle is covered for both service and merchandising businesses, including adjustments, preparation of financial statements, and closing procedures. Also included are reconciliation of bank statements and petty cash.

College Credit Hours: 3 Credit Hours

Software Development & Computers Programming Pathways

POTENTIAL CAREERS

SOFTWARE APPLICATION DEVELOPER

WEB DEVELOPER

COMPUTER SYSTEMS

ENGINEER

DATABASE ADMINISTRATOR

COMPUTER SYSTEMS

ANALYST

SOFTWARE QUALITY

ASSURANCE (QA) ENGINEER

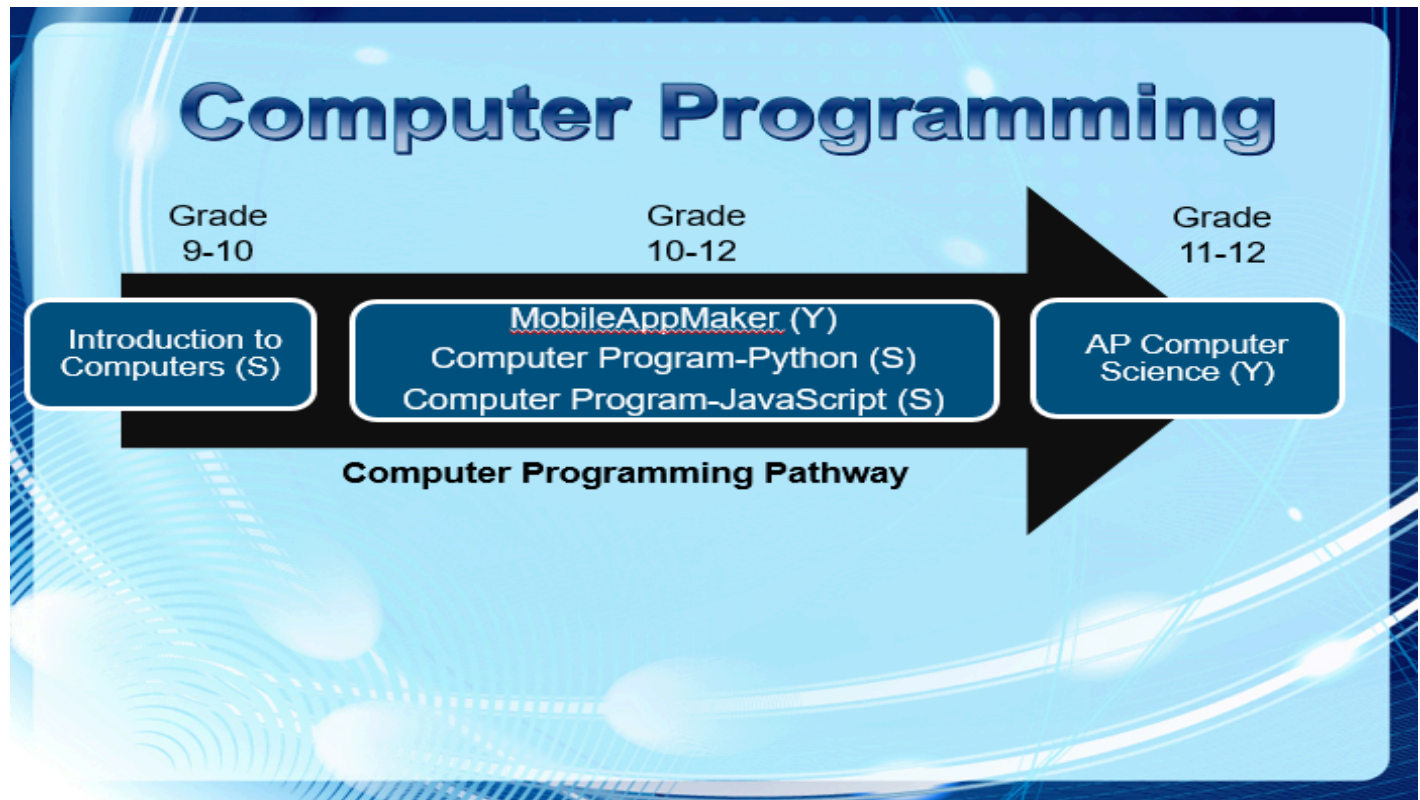
BUSINESS INTELLIGENCE

ANALYST

COMPUTER PROGRAMMER



Computers Pathway Courses



EXAMPLES OF LOCAL POST-SECONDARY DEGREES

Associate's Degree

- Associate in Science Information Technology
- Associate in Science Software Development

Bachelor's Degree

- Computer Networking
- Computer Programming
- Cybersecurity
- Information Technology (IT)
- IT - Data Analytics
- Software Development
- Technology Management

Master's Degree

- MBA - Technology Management

INFORMATION TECHNOLOGY: SOFTWARE DEVELOPMENT & COMPUTERS PATHWAY

COURSE DESCRIPTIONS

1101 Introduction to Computers Semester .5 Credits

Prerequisite: 9th - 10th grade

This introductory course will teach students how computers work, the terminology of computers, and common hardware components and options. Students will learn to use basic desktop applications such as spreadsheets and image editors, and learn to use the Internet and how to create and publish web pages. Students will learn simple computer maintenance and upgrade procedures, networking fundamentals, and how to keep computers secure and how to detect and eliminate malicious software. Open source software solutions will be explored, and students will learn about various career options in computer science and technology.

mobilemakersedu@chs

1003/1004 MobileAppMaker Year 1.0 Credits

Prerequisites: 10th - 12th and successful completion of Introduction to Computers (or department chair approval)

The MobileMakersEdu course provides students an opportunity to build and deploy iOS applications using basic programming skills and iOS frameworks. Students learn the basics of object-oriented programming, basic data structures, and a solid understanding of how an iOS app is constructed. Using real-world industry tools and best practices, students create working applications that grow in complexity throughout the year. Additionally, students learn how to employ Agile Project Management and work in an environment similar to that of a traditional development shop, while improving their ability to work well under pressure, improve time management skills, and prioritize work. Students leave with a portfolio of work and an appreciation for the skill

sets needed in this technology-rich world. Read more at <http://mobilemakersedu.org/>.



1099 Computer Programming: Python

Semester

.5 Credits

Prerequisites: 10th - 12th and successful completion of Introduction to Computers (or department chair approval). Successful completion of Math 1 recommended.

In this course, students learn the fundamental concepts of programming - concepts that can be applied in the study of any programming language. Students will learn program design, logical thinking and structured programming techniques through the programming language Python. This includes specific features such as: looping, functions, and dictionaries. Students will build both a hangman game and a final project of their choice.



1104 Computer Programming: JavaScript

Semester

.5 Credits

Prerequisites: 10th - 12th and successful completion of Introduction to Computers (or department chair approval)



This course is an introduction to computer programming teaching the foundations of computer science and basic programming in JavaScript, with an emphasis on helping students develop logical thinking and problem solving skills. It teaches the integration of HTML & JavaScript in web applications while introducing students to functions, loops, and other basic programming concepts.

1042 Microsoft Office Specialist Semester .5 Credits

Prerequisites: Grade Level: 9th - 12th grade

The Microsoft Office Specialist (MOS) course is an opportunity for students to earn industry-leading credentials of the skills and knowledge necessary to give students a competitive edge in today's academic and professional environments. Through project-based learning, students will start with Excel and then continue forward to PowerPoint and Word. MOS certifications will test student's skills and efficiency as they would in the real world and validate their understanding of the Microsoft Office applications functionality.

This course is recommended for college, technical college, or world-of-work-bound students as it prepares them for future employment in a highly technological society and higher education.



TECHNOLOGY, ENGINEERING AND VIDEO PRODUCTION PATHWAY

POTENTIAL CAREERS

Architectural Drafters
Civil Drafters
Electronic Drafters
Electrical Drafters
Mechanical Drafters
Drafters, All Other

Production Coordinator
Video Producer
Video Editor and Motion Designer
Audio, Video, & Home Automation Project Manager
Associate Creative Director



Drafting & Design

Grade
9-10

Introduction to
Foundations of
Technology (S)

Grade
10-11

Computer Aided
Drafting & Design (Y)

Grade
11-12

Computer Aided
Drafting & Design
3D Modeling (Y)

Drafting & Design Technology Pathway

Video Production

Grade
9-10

Grade
10 - 11

Grade
11 - 12

Introduction to Foundations of Technology (S)

Video Production 1 (Y)
Intro to Videography (Dual Credit)
Video Editing & Field Production (Dual Credit/Sem)
Video Editing & Studio Production (Dual Credit/Sem)

Video Production 2 (Y)
Introduction to Videography (Dual Credit)
Video Editing & Field Production (Dual Credit/Sem)
Video Editing & Studio Production (Dual Credit/Sem)

Radio & Television Broadcasting Pathway

EXAMPLES OF LOCAL POST-SECONDARY DEGREES

	Associate's Degree	Bachelor's Degree	Master's Degree
Computer-Aided Designs	Associate of Applied Science Computer Aided Design	Science & Engineering (mechanical drafting, architectural/civil drafting, electrical drafting)	
Video Productions	Applied Science Media Arts	Screenwriting Video Production Television Production Digital Art and Design	Film Studies Cinematography Screenwriting Video Production

TECHNOLOGY AND VIDEO PRODUCTION PROGRAM OF STUDY

COURSE DESCRIPTIONS

1018	Introduction to Foundations of Technology	Semester	0.5 Credits
Prerequisites: 9th - 10th grade (11th - 12th grade w/department chair approval)			Fee: \$10.00

In this course students will explore the nature of technology, technology systems, and the history, evolution, and characteristics of technology as well as its impact on our society, culture, economy, politics, and environment. Topics include: Technology Today & Tomorrow, Communication Engineering & Design, and Energy & Power Engineering & Design. Several hands-on activities in each unit lets students apply the engineering design process to design and make a product.

1058/1059 Video Production 1 Year 1.0 Credits

Prerequisites: 10th - 12th grade and successful completion of Introduction to Foundations of Technology

Video Production will primarily focus on storytelling and promotion through the use of film and video as well as producing simulated live events using the production news studio. This is a technical class with editing training in the Adobe Creative Suite. During the year, students will learn the various elements of pre-production, production, and post-production. Specifically, students will gain knowledge in story, script writing, storyboarding, cinematography, camera skills, file management, editing technique, title creation, audio recording, podcasting, and audio editing. During the year, students will create a host of projects from short narrative films, promotionals, documentaries, Youtube Vlogs, and even live event productions.

1062/1063 Video Production 2 Year 1.0 Credits

Prerequisites: 11-12th grade and successful completion of Video Production 1

Video Production 2 will continue where class 1 left off, building upon core production skills to create more polished, professional works. Students will be involved in all portions of the production process including writing, planning, filming, editing, and post production such as title creation, color correction, and visual effects as they create newscasts, documentaries, and short narrative films. Students are expected to have a solid base in the use of Adobe Premiere and After Effects and may seek certification in those applications. In addition, live event recording and broadcasting will be a requirement of the class using Sling Studio on site at sporting events and other school functions. Ultimately, this class will be an opportunity to become a true technician and more complete filmmaker, producer, director, or cinematographer.

1067/1068 Computer Aided Drafting & Design - CAD Year 1.0 Credits

Prerequisites: 10th - 12th grade and successful completion of Introduction to Foundations of Technology

In this course, students use AutoCAD software to explore skills required for technical drawings, graphic communications, and career skills within the Engineering field. Topics include: 2D and 3D constructions, dimensioning, intermediate level mathematics and fundamentals for Technical drawings. Course provides an introduction to Inventor and AutoCAD basics. And establishes a good basis for exploring and growing in the exciting field of Computer Aided Engineering. Autodesk AutoCAD certification offered upon completion.

1065/1066 Computer-Aided Design (CAD - 3D Modeling) Year 1.0 Credits

Prerequisites: 11th - 12th grade and successful completion of CADD - Computer Aided Drafting & Design

In this course students use Autodesk Inventor to continue the CADD skills of Technical drawing and introduces the student to engineering drawing and advanced 3D modeling. Topics include: 3D constructions, 3D solid modeling, rendering and assembly, 3D mechanical design, documentation, and product simulation. [Digital Prototyping](#) with Inventor helps you design and validate your products before they are built to deliver better products, reduce development costs, and get to market faster. Autodesk Inventor certification will be offered upon completion. 3D printing will be introduced in this course.

*****Dual Credit Options*****

9562IH/9563IH- CDN 230: Introduction to Videography Year 1.0 Credit

Prerequisite: 11-12th grade and successful completion of Video Production

An introduction to videography and motion graphics, students will use graphic abstractions, digital and/or traditional photography and digital video to develop concepts of kinetic imagery. Aesthetic and practical considerations employed in effective multimedia design are presented. Possible projects include creating documentaries, reports on current events or the integration of background music to accompany slideshows of poems or artwork.

CHS Credit Hours: 1.0 (0.5/sem) **College Credit Hours: 3 Credit Hours**

9564IH CDN 233: Video Editing & Field Production

Semester

.5 Credits

Prerequisite: 10th-12th Grade. Grade of C or better in [CDN 230](#), Video Production 1, or consent of instructor.

This course integrates single camera digital video production with editing in order for students to produce short form videos. Issues relating to the use of digital video cameras, recording live audio and lighting techniques will be examined and applied under field conditions. Student composition of basic production scripts will guide their workflow. Editing will be performed with a non-linear editor. Synchronized multi camera event videography will be introduced. Encoding of various media formats will also be addressed.

College Credit Hours: 3 Credit Hours

9565IH CDN 234: Video Editing & Studio Production

Semester

.5 Credits

Prerequisite: 10th-12th Grade. Grade of C or better in [CDN 230](#), Video Production 1, or consent of instructor.

This course combines studio production of digital video and non-linear editing to create short form videos. Students will learn to use advanced digital video cameras; set up studio lighting; synchronize multiple cameras and to record and mix audio with video. Chroma Key compositing (green screen) will be explored. Emphasis will be placed on teamwork and project management methodologies.

College Credit Hours: 3 Credit Hours

REGIONAL PROGRAMS OF STUDY

TECHNOLOGY & ENGINEERING EDUCATION (Industrial)

Precision Manufacturing Program



REGIONAL PATHWAYS PROGRAM - This is a 3 year program.



Welding Manufacturing Program

REGIONAL PATHWAYS PROGRAM - This is a 3 year program.



1117/1118 Welding - Fundamentals, Beginning, Introduction (OFF CAMPUS) Year 1.0 Credits

Prerequisites: 10th grade

Fundamentals of Welding course enables students to gain knowledge of the properties, uses, and applications of various metals, skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, metal inert gas, and tungsten arc processes), and experience in identifying, selecting appropriate techniques. This course include welding safety, blueprint reading, welding symbols, welding practices and welding fabrication techniques. Transportation will be provided by District 301.

1119/1120 Welding Technology I (OFF CAMPUS) Year 2.0 Credits

Prerequisites: 11th grade and the successful completion of Welding - Fundamentals, Beginning, Introduction

This course assists students in gaining the knowledge and developing the basic skills needed to be successful in welding technology. Units of instruction include arc, TIG and MIG welding, metallurgy, cutting metal using arc, plasma, and oxy-gas. In addition, students learn the basics of blueprint reading, welding symbols, precision measuring, layout, and production process planning. Students will also perform 3g vertical up welding for evaluation for American Welding Society certification.

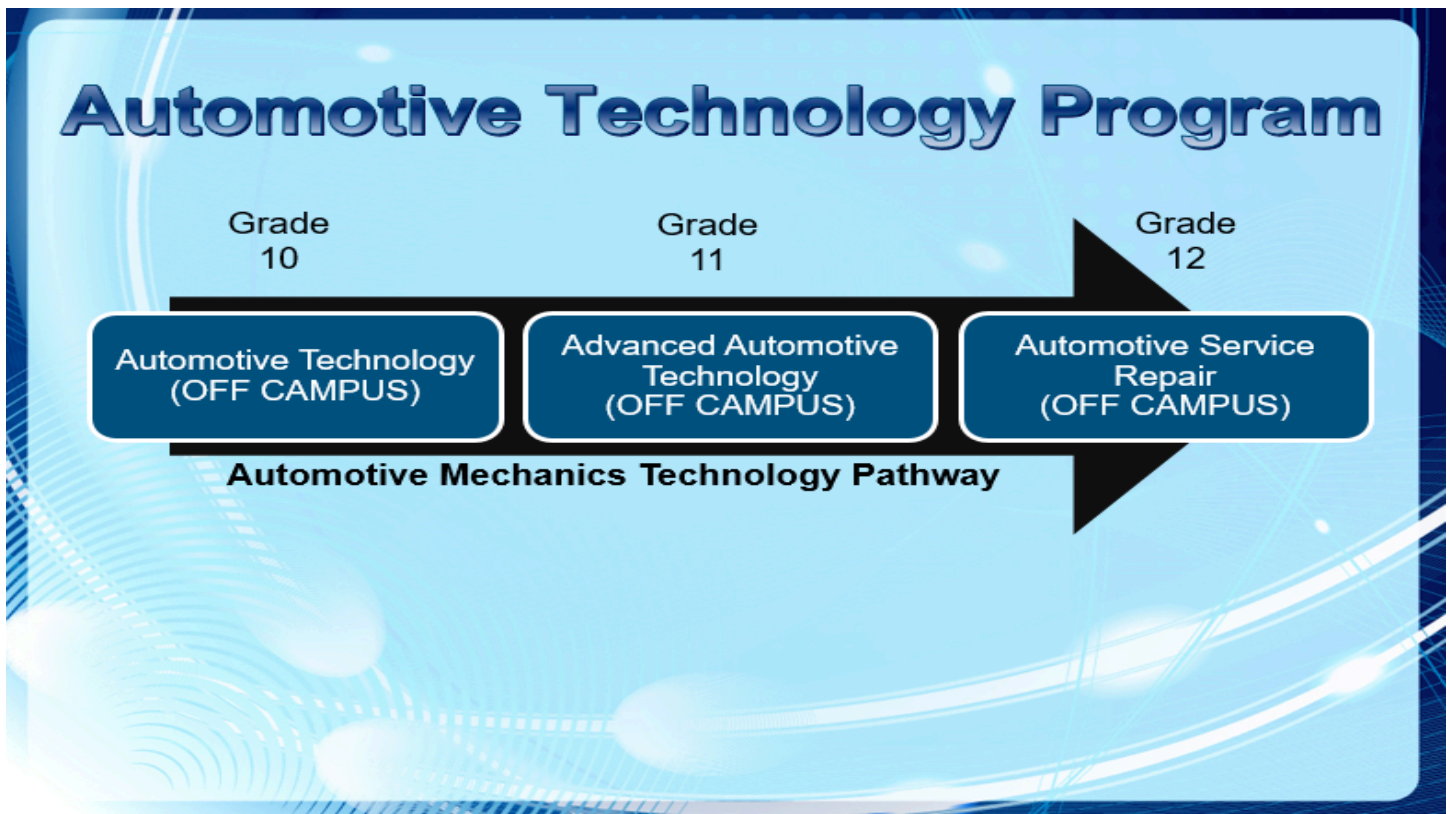
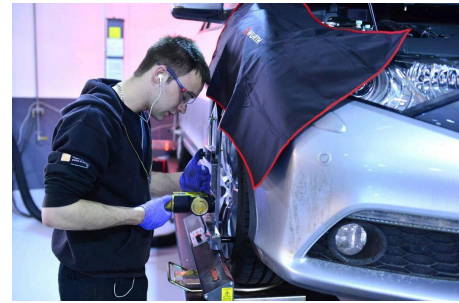
1121/1122 Welding Technology II (OFF CAMPUS) Year 2.0 Credits

Prerequisites: 12th grade and the successful completion of Welding Technology I

This course builds on the skills and concepts and concepts introduced in Welding Technology I and will provide more in-depth skill development in various types of including horizontal, vertical, overhead, and circular techniques as well as 3G certification welds for MIG and or TIG. Units of instruction include advanced out of position arc, TIG and MIG welding, industry weld fabrication techniques and welding print interpretation and process organization. In addition, the students will learn to analyze weld quality and troubleshoot problem welds.

Automotive Technology Program

REGIONAL PATHWAYS PROGRAM - This is a 3 year program.



1072/1073 Automotive Technology (OFF CAMPUS) Year 1.0 Credits

Prerequisites: 10th grade

This class will cover the basic fundamentals and proper procedures in vehicle diagnostics and repair through the combination of lab work and related instruction in the 4 National Automotive Technicians Education Foundation (NATEF <http://www.natef.org/about.cfm>) areas. Topics will include Electrical/Electronics, Brakes, Steering and Suspension, Engine Design, Construction and Performance. Students will demonstrate the use of hand tools, power tools and automotive diagnostic equipment. Students will use testing equipment to locate and identify potential vehicle problems.

1074/1092 Advanced Automotive Technology (OFF CAMPUS) Year 2.0 Credits

Prerequisites: 11th grade and Automotive Technology with a C or better both semesters

This class will prepare students for the Automotive Service Excellence (ASE) (<http://www.ase.com/About-ASE/ASE-at-a-Glance.aspx>) testing that leads to certification and a career in the automotive field. Students use a variety of testing devices, equipment and specialty tools to supplement their learning in the 4 NATEF (<http://www.natef.org/about.cfm>) areas of advanced systems diagnosis. Students will apply intermediate testing and diagnostic techniques on electrical systems, fuel injection, ignition, computer systems, suspension, steering and brakes.

1094/1097 Automotive Service Repair (OFF CAMPUS) Year 2.0 Credits

Prerequisites: 12th grade and Advanced Automotive Technology with a C or better both semesters

This is a two period class that prepares students for Automotive Service Excellence (ASE) (<http://www.ase.com/About-ASE/ASE-at-a-Glance.aspx>) testing certification and a career in the automotive field. Students engage in diagnosis of vehicles in a repair facility atmosphere by using a variety of testing instruments and specialty tools. Areas of study include advanced electrical, fuel injection, ignition, computer systems, emissions, steering/suspension, brakes and engine performance diagnosis and repair.

ELECTIVE CAREER TECHNOLOGY EDUCATION (CTE) COURSES

1021 Personal Finance GRAD REQ Semester 0.5 Credits

Prerequisites: 11th - 12th grade

Introduces the skills needed in managing consumer resources and promotes critical thinking, problem solving, and action. Students develop an understanding of their societal role as a consumer and will develop skills to function and recognize the importance of acting as informed, educated, and responsible consumers.

1021BL Personal Finance Blended Semester 0.5 Credits

Prerequisites: 11th - 12th grade

This is the same course as Personal Finance (and does fulfill the graduation requirement) but is offered in a blended teaching model. For more information about the blended model of instruction, please [click here](#).

Introduces the skills needed in managing consumer resources and promotes critical thinking, problem solving, and action. Students develop an understanding of their societal role as a consumer and will develop skills to function and recognize the importance of acting as informed, educated, and responsible consumers..

1095/1096 Career Internship Semester 0.5 Credits

Prerequisites: 11 -12th grade if orientation and skill level course in a pathway was successfully completed (Department Chair approval and application required)

Students participate in work-related learning experience in a company setting where they perform the roles and functions of one or many occupations specific to a cluster and pathway that aligns with their personalized plan of study. Students should have clearly defined goals for how the internship advances their skill sets and allows them to demonstrate their knowledge through applied learning. An internship is not a part-time job. It is an approved experience within a Career and Technology Education Program at CHS.

9400/9401 Cooperative Education - Classroom Year 1.0 Credits

Prerequisites: 12th grade, Department Chair Approval and application. Must take the orientation level course for the relative career pathway

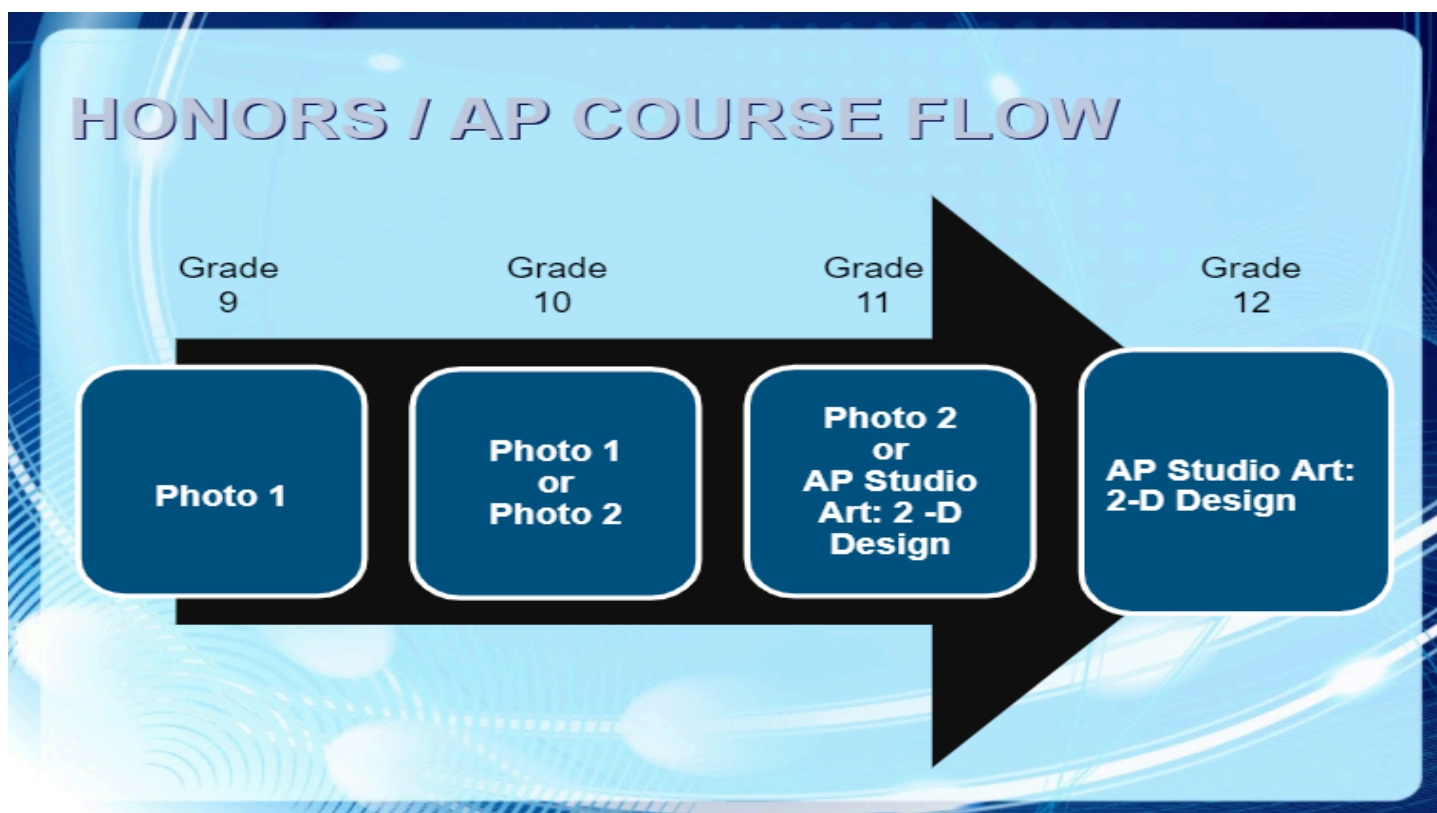
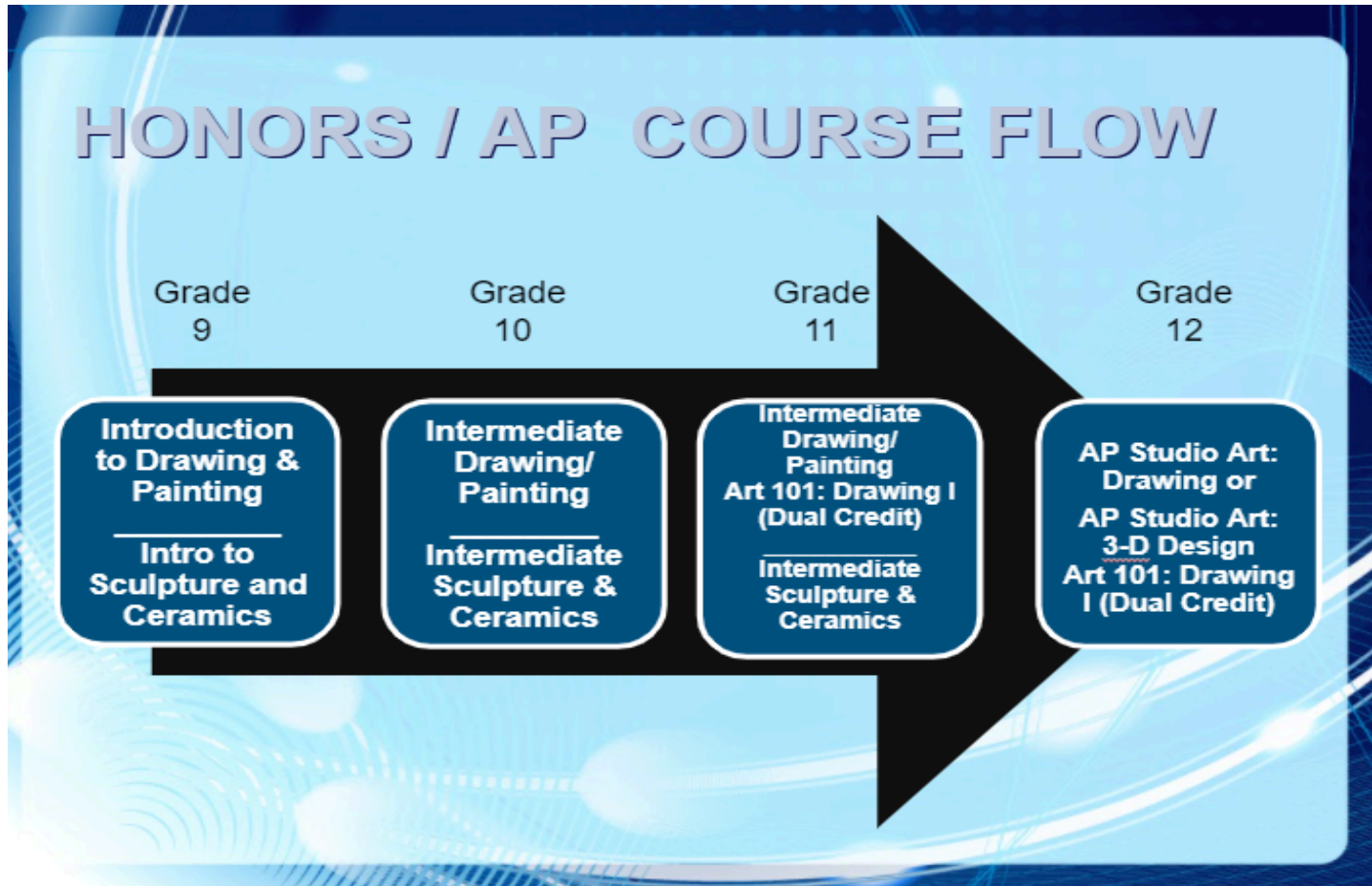
Cooperative Leadership and Internship Program (CLIP). Co-operative education combines academic study with practical work experience. The employment is a practical application directed towards the student's academic course of study. The co-operative education student is paid for their work experience, which is supervised and evaluated by both the employer and the co-operative education teacher. It gives students an opportunity to test skills learned in the classroom, and to expand their knowledge through related work experience. This experience provides students with a chance to practice the latest theories and approaches in their particular discipline. Working in several industries gives them a competitive edge when going out into the workforce and the opportunity to earn for their education.

Prerequisites: 12th grade, concurrently enrolled in Cooperative Education - Classroom, application and Department Chair approval

Cooperative Leadership and Internship Program (CLIP). Students are responsible for securing their own employment in an appropriate (approved) work site. Must work a minimum of 15 hours per week. Must attempt to seek employment in a chosen area of career interest. This experience must be approved with a registered work site.

Humanities: Fine Arts/Foreign Language

[Art Education Flow Chart:](#)



COLLEGE/CAREER COURSE FLOW

Grade
9

Band
Percussion Ensemble
(If you play drums or percussion)

Grade
10

Band
Percussion Ensemble
(If you play drums or percussion)
Jazz Ensemble
(Audition or Recommendation)

Grade
11

Band
Percussion Ensemble
(If you play drums or percussion)
Jazz Ensemble
(Audition or Recommendation)

Grade
12

Band
Percussion Ensemble
(If you play drums or percussion)
Jazz Ensemble
(Audition or Recommendation)

COLLEGE/CAREER COURSE FLOW

Grade
9

CHORUS
(Course is Repeatable)

Grade
10

Chorus
Intermediate Chorus
(recommendation)
Chorale (audition)

Grade
11

Chorus
Intermediate Chorus
(recommendation)
Chorale (audition)

Grade
12

Chorus
Intermediate Chorus
(recommendation)
Chorale (audition)

COLLEGE/CAREER COURSE FLOW

Grade
9

Theatre 1
Theatre 2

Grade
10

Theatre 1
Theatre 2
Theatre 3
Theatre Appreciation
(Dual Credit)

Grade
11

Theatre 1
Theatre 2
Theatre 3
Tech. Theatre 1
Tech. Theatre 2
Theatre Appreciation
(Dual Credit)

Grade
12

Theatre 1
Theatre 2
Theatre 3
Tech. Theatre 1
Tech. Theatre 2
Theatre Appreciation
(Dual Credit)

COLLEGE/CAREER COURSE FLOW

Grade
9

Theatre 1
Theatre 2

Grade
10

Tech. Theatre 1
Tech. Theatre 2

Grade
11

Tech. Theatre 1
Tech Theatre 2
Theatre 3

Grade
12

Tech. Theatre 1
Tech Theatre 2
Theatre 3

German/Spanish Grade Level Track

Grade
9

German 1
Spanish 1

Grade
10

German 2
Spanish 2

Grade
11

German 3
Spanish 3

Grade
12

German 4
Spanish 4
Intermediate German I
(Dual Credit)
Intermediate German II
(Dual Credit)
Intermediate Spanish I
(Dual Credit)
Intermediate Spanish II
(Dual Credit)

German/Spanish Advanced Track

Grade 8: German 1/ Spanish 1

Grade
9

German 2
Spanish 2

Grade
10

German 3
Spanish 3

Grade
11

German 4
Spanish 4
Intermediate German I
(Dual Credit)
Intermediate German II
(Dual Credit)
Intermediate Spanish I
(Dual Credit)
Intermediate Spanish II
(Dual Credit)

Grade
12

AP German
AP Spanish

Music Education

2000 Introduction to Band Semester 0.5 Credits
Prerequisites: 9th - 12th grade Fee: \$10.00

For students who wish to learn to play a band instrument. Students must have a band instrument available or be willing to rent one. Students participate in all marching and concert band activities.

2005/2006 Band Year 1.0 Credit
Prerequisites: 9th - 12th grade and prior experience on a band instrument Fee: \$10.00 per semester

The Central High School Band is a 9-12 mixed grade level ensemble that performs concert band literature representative of various styles and genres. This ensemble is available to all CHS students interested in performing in a traditional concert band. The primary function of this organization is to provide a musical outlet and artistic experience for its members that culminate in a public performance. In addition, further development within the areas of musical skills, independence, awareness, and understanding within the context of an interactive rehearsal environment. *Course may be repeated.*

2010/2011 Jazz Ensemble Year 1.0 Credit
Prerequisites: 9th - 12th grade and instructor approval Fee: \$10.00 per semester

The Central High School Jazz Lab Band is a mixed grade level ensemble that performs traditional big band repertoire representative of various styles and genres. This ensemble is available to CHS students interested in performing in a traditional big band and have completed an audition process or instructor approval. The primary function of this organization is to provide a musical outlet and artistic experience for its members that culminate in a public performance. In addition, further development within the areas of musical skills, independence, awareness, and understanding within the context of an interactive rehearsal environment.. *Course may be repeated.*

2012/2013 Percussion Ensemble Year 1.0 Credit
Prerequisites: 9th - 12th grade Fee: \$10.00 per semester

The Central High School Percussion Ensemble is a mixed grade level ensemble that performs drumline, percussion ensemble and concert band literature representative of various styles and genres. This ensemble is available to all CHS students interested in learning the multiple facets of the percussion family and fundamental techniques on a variety of percussion instruments . The primary function of this organization is to provide a musical outlet and artistic experience for its members that culminate in a public performance. In addition, further development within the areas of musical skills, independence, awareness, and understanding within the context of an interactive rehearsal environment. *Course may be repeated.*

2023/2024 Chorus Year 1.0 Credits
Prerequisites: 9th - 12th grade

Chorus is a mixed ensemble open to all students grades 9-12 with limited to no experience in a vocal ensemble that fosters a safe educational environment for all students. The ensemble explores and performs choral literature representative of various style periods and vocal traditions. This ensemble is available to all students interested in the realm of vocal music. The primary function of this organization is to provide a musical outlet and artistic choral experience for its members that culminate in a public performance. In addition, further development within the areas of musical skills, independence, awareness, and understanding within the context of an interactive rehearsal environment. *Course may be repeated.*

2025/2026 Intermediate Chorus Year 1.0 Credit

Prerequisites: 9th grade with recommendation, 10th - 12th grade with completion of Chorus or recommendation

Intermediate Chorus is a large mixed ensemble open to students grades 9-12 who have completed at least 1 year of Chorus and/or has been recommended by the instructor. The Intermediate chorus performs intermediate to advanced choral literature representative of various style periods and vocal traditions. This ensemble is available to all CHS students interested in the realm of vocal music. The primary function of this organization is to provide a musical outlet and artistic choral experience for its members that culminate in public performances. In addition, further development within the areas of musical skills, independence, awareness, and understanding within the context of an interactive rehearsal environment. *Course may be repeated.*

2030/2031 Chorale Year 1.0 Credit

Prerequisites: 11th - 12th grade, prior choral experience, audition, and instructor approval

Chorale is an advanced auditioned, mixed ensemble that performs a wide variety of choral literature representative of various style periods and vocal traditions. This ensemble is available to students 10-12 interested in the intense study of vocal music. The primary function of this organization is to provide a musical outlet and artistic choral experience for its members that culminate in public performances. In addition, further development within the areas of musical skills, independence, awareness, and understanding within the context of an interactive rehearsal environment. The group performs 4 concerts per year as well as participates in festivals, clinics, and special events. *Course may be repeated.*

2032/2033 AP Music Theory Year 1.0 Credit

Prerequisites: 10th - 12th grade

AP Music Theory corresponds to a typical, introductory college music theory and aural skills course open to students 10-12. Students learn to recognize, understand, describe, and produce the basic elements and processes of performed and notated music. Course content extends from the fundamentals of pitch, rhythm, timbre, and expression to concepts of harmonic function, phrase relationships, and tonicization. Students study these concepts in heard and notated music, with emphasis on identification and analysis of musical features, relationships, and procedures in full musical contexts. Repertoire for analysis on the AP Music Theory Exam ranges from European Baroque pieces to folk and popular music from across the globe. Students develop musicianship skills through melodic and harmonic dictation, sight singing, and error detection exercises. Writing exercises further emphasize the foundational harmonic and voice leading procedures of Western art music. Is recommended students have some previous music experience and can read musical notation.

2035 Traditions of Music Semester 0.5 Credits

Prerequisites: 9th - 12th grade

Traditions of Music is a survey course that explores the origins of music and its influence of previous musical styles and composers on current popular music. This course is intended to provide a basic understanding of the elements of music, characteristics of historical periods of music, and to learn about major composers and compositions during these periods.

2037 American Routes in Music Semester 0.5 Credits

Prerequisites: 9th - 12th grade

Students will develop and understand a deeper appreciation of musical forms throughout the 20th Century. Emphasis is on the development of jazz, country, Broadway, rock & roll, and many others.

Prerequisite: 10th, 11th, 12th Grade. **Satisfaction of placement criteria:** ECC Placement Tests (Writing=55 and Reading=95); OR PSAT/SAT Test (Reading & Writing=480); OR ACT Test (English=19 and Reading=19); OR Theatre I & Theatre II or Tech Theatre I & Tech Theatre II

An introduction to theatre as a performing art. Students study the audience, actor, critic, director, designer, and playwright through critical, social, and historical perspectives as they read plays and view both video and live performances. (Note special topics sections may focus on Chicago theatre or offer short-term travel courses to New York, Canada, Greece, London, and other international theatre centers.

College Credit Hours: 3 Credit Hours

Art Education

2056/2057 Introduction to Drawing & Painting

Year

Prerequisites: 9th - 12th grade

Fee: \$30.00 per semester

Students will visually and manually explore the elements and principles of art and design through drawing and painting media. Students will experiment with various media, including but not limited to the following: Pencil, pen/ink, colored pencil, oil pastel, marker, watercolor and acrylic paint.



2061/2062 Introduction to Sculpture & Ceramics

Year

1.0 Credit

Prerequisites: 9th - 12th grade

Fee: \$30.00 per semester

Students will visually and manually explore the elements of art and principles of design through clay and three-dimensional media. Ceramics and sculpture each account for half of the year's curriculum. Sculpture media includes but is not limited to the following: wire, paper, found objects, plaster, fibers, and textiles. Hand-building and wheel-throwing clay techniques are explored using earthenware, stoneware, and glaze.

2065/2066 Intermediate Drawing

Year

1.0 Credit

Prerequisites: 10th - 12th grade and successful completion of Introduction to Drawing & Painting **Fee:** \$55.00 per semester

Students will develop their artistic style while exploring the elements of art and principles of design, utilizing various drawing media. Students will revisit and build upon the techniques and media introduced previously, producing more advanced art works. Students will draw subject matter from life, from reference, and from their mind. Students will create a series of drawings in their choice of drawing media that develops a definitive mark and conveys a cohesive concept.

2068/2069 Intermediate Sculpture & Ceramics

Year

1.0 Credit

Prerequisites: 10th - 12th grade and successful completion of Intro to Sculpture & Ceramics **Fee:** \$55.00 per semester

Students will develop their artistic style while exploring the elements of art and principles of design, utilizing various sculpture and ceramics media. Students will revisit and build upon the techniques and media introduced previously producing more advanced art works. Students will develop their own concepts and artistic voice while creating original artworks. Students will also create a series of three sculptures that develops a definitive aesthetic and conveys a cohesive concept. Students will develop and maintain a digital portfolio online.

2070/2071 Photography 1 **Year** **1.0 Credit**

Prerequisites: 9th - 12th grade

Fee: \$75.00 per semester

In this course students will gain a comprehensive understanding of photographic techniques and skills using a 35mm SLR camera, the darkroom, and black and white photography. Students will explore how the application of the elements and principles of art, lighting, motion, and depth of field work in tandem with the overall composition. Students will also explore how to digitally alter and edit their photographs using Adobe Photoshop. **Required: 35mm SLR camera, and a digital camera (phone will work). Additional fees will be assessed for photo paper.**

2075/2076 Photography 2 **Year** **1.0 Credit**

Prerequisites: 10th - 12th grade and B or better in Photography 1 or instructor approval

Fee: \$75.00 per semester

In this course students will process/develop photographs both in the dark-room and digitally- expanding their photographic tools, techniques and skills. This course will enhance students' knowledge and ability to understand visual culture and photographic imagery as a language. Required: 35mm SLR camera, and a digital camera (phone will work). Recommended: 35mm DSLR camera (NOT REQUIRED or necessary). Additional fees will be assessed for photo paper.

2085/2086 Intermediate Painting **Year** **1.0 Credit**

Prerequisites: 10th - 12th grade and successful completion of Intro to Drawing & Painting

Fee: \$55.00 per semester

Students will develop their artistic style while exploring the elements of art and principles of design, utilizing watercolor, acrylic, and oil paint. Students will revisit and build upon the techniques and media introduced previously producing more advanced art works. Students will paint subject matter from life, from reference, and from their mind. Students will create a series of paintings in their choice of painting media that develops a definitive mark and conveys a cohesive concept.

2205/2206 AP Studio Art: 2-D Design Weighted grade **Year** **1.0 Credit**

Prerequisites: 11th - 12th grade, B or better in Photography 1 and Photography 2, summer work, portfolio review in January, and instructor approval **Fee: \$75.00 per semester**

This class is designed for highly motivated students to do college-level work. A portfolio of about 30 pieces will be submitted in April. The photography pieces should demonstrate your understanding of design principles as applied to photography. The student will have to provide some materials.

2210/2211 AP Studio Art: Drawing Weighted grade **Year** **1.0 Credit**

Prerequisites: 12th grade, B or better in 2 years of 2D-Art classes, summer work, portfolio review in January, and instructor approval **Fee: \$55.00 per semester**

Students will compile a series of works that explore a drawing/painting concept, synthesizing the elements & principles of art and design as they relate to drawing and/or painting. Students will compile and submit a portfolio that contains actual works and slides of the work created throughout the course. Students will create original, outstanding exemplary works of art, while developing a definitive style and mark.

2215/2216 AP Studio Art: 3-D Design Weighted grade **Year** **1.0 Credit**

Prerequisites: 12th grade, B or better in 2 years of 3D-Art classes, summer work, portfolio review in January, and instructor approval **Fee: \$55.00 per semester**

Students will compile a series of works that explore a sculptural concept, synthesizing the elements & principles of art and design as they relate to sculpture. Students will create original exemplary works of art. Students will compile a portfolio that contains slides of the work created throughout the course, while developing a definitive style and mark.

*****Dual Credit Options*****

9520IH/9521IH ART 101: Drawing I

Year

1.0 Credit

Prerequisite: 11th and 12th Grade, C or better in Introduction to Drawing and Painting.

An introduction to the fundamental concepts and techniques of drawing using a variety of black and white media. Includes drawing from observation and invention leading to an interpretation and evaluative approach to drawing. Emphasis on descriptive drawing techniques from geometric and organic objects. Course includes vocabulary development critical analysis activities, and reference to historic models of drawing.

College Credit Hours: 3 Credit Hours

Foreign Language

3000/3001 Spanish 1

Year

Prerequisites: 9th - 12th grade

Designed to introduce students to Spanish language and culture. Spanish I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people. ***NCAA approved course**



3005/3006 Spanish 2

Year

1.0 Credit

Prerequisites: 9th - 12th grade and a C or better in Spanish 1 or instructor approval

Spanish 2 builds upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s). ***NCAA approved course**

3010/3011 Spanish 3

Year

1.0 Credit

Prerequisites: 10th - 12th grade and a C or better in Spanish 2 or instructor approval

Spanish 3 focuses on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. ***NCAA approved course**

3015/3016 Spanish 4

Year

1.0 Credit

Prerequisites: 11th - 12th grade and a C or better in Spanish 3 or instructor approval

Spanish 4 focuses on advancing students' skills and abilities to read, write, speak, and understand the Spanish language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. ***NCAA approved course**

3022/3023 AP Spanish Language & Culture Weighted grade **Year** **1.0 Credit**

Prerequisites: 11th - 12th grade and B or better in Spanish 3 and Spanish 4 or instructor approval

Designed by the College Board to parallel third-year college-level courses in Spanish Composition and Conversation, AP Spanish Language builds upon prior knowledge and develop students' ability to understand others and express themselves (in Spanish) accurately, coherently, and fluently in both formal and informal situations. Students will develop a vocabulary large enough to understand literary texts, magazine/newspaper articles, films and television productions, and so on. ***NCAA approved course**

3025/3026 German 1 **Year** **1.0 Credit**

Prerequisites: 9th - 12th grade

Designed to introduce students to German language and culture, German I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. German culture is introduced through the art, literature, customs, and history of the German-speaking people. ***NCAA approved course**

3030/3031 German 2 **Year** **1.0 Credit**

Prerequisites: 9th - 12th grade and C or better in German 1 or instructor approval

German 2 builds upon skills developed in German I, extending students' ability to understand and express themselves in German and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of German-speaking people to deepen their understanding of the culture(s). ***NCAA approved course**

3035/3036 German 3 **Year** **1.0 Credit**

Prerequisites: 10th - 12th grade and C or better in German 2 or instructor approval

German 3 focuses on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. ***NCAA approved course**

3040/3041 German 4 **Year** **1.0 Credit**

Prerequisites: 11th - 12th grade and C or better in German 3 or instructor approval

German 4 focuses on advancing students' skills and abilities to read, write, speak, and understand the German language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. ***NCAA approved course**

3047/3048 AP German Language & Culture Weighted grade **Year** **1.0 Credit**

Prerequisites: 11th - 12th grade and B or better in German 3 and German 4 or instructor approval

Designed to parallel third-year college-level courses in German Language, AP German Language courses build upon prior knowledge and develop students' ability to understand spoken German in various conversational situations, to express themselves (in German) accurately and fluently, and to have a command of the structure of the German language. Students will develop a vocabulary large enough to understand literature, magazine/newspaper articles, films and television productions, and so on. ***NCAA approved course**

*****Dual Credit Options*****

9570IH GRM 201: Intermediate German I Semester 0.5 Credits

Prerequisite: 11th or 12th Grade. Three years of H.S. German with a grade of C or better; two semesters of German in college with a grade of C or better; or placement.

Includes grammar review from [GRM 101](#) and [102](#). Specifically focuses on more complex grammatical concepts, composition, vocabulary building and practice in conversation. Supplementary intermediate level material may be read in class or as outside assignments.

College Credit Hours: 4 Credit Hours

9571IH GRM 202: Intermediate German II Semester 0.5 Credits

Prerequisite: 11th or 12th Grade. Satisfaction of placement criteria: ECC Placement Tests (Writing=55 and Reading=95); OR SAT Test (Reading & Writing=480); OR ACT Test (English=19 and Reading=19). Other: Grade of C or better in [GRM 201](#); three years of H.S. German with grade of C or better; three semesters of German in college with a grade of C or better; or placement.

Course begins with brief [GRM 201](#) grammar review. Additional activities focus on studying and applying increasingly complex grammatical concepts and vocabulary. Supplementary intermediate level material may be read, listened to or watched in class or as outside assignments.

College Credit Hours: 4 Credit Hours

9572IH SPN 201: Intermediate Spanish I Semester 0.5 Credits

Prerequisite: 11th or 12th Grade. Three years of H.S. Spanish with a grade of C or better; two semesters of Spanish in college with a grade of C or better; or placement.

Includes grammar review from [SPN 101](#) and [102](#). Specifically focuses on more complex grammatical concepts, composition, vocabulary building and practice in conversation. Supplementary intermediate level material may be read in class or as outside assignments.

College Credit Hours: 4 Credit Hours

9573IH SPN 202: Intermediate Spanish II Semester 0.5 Credits

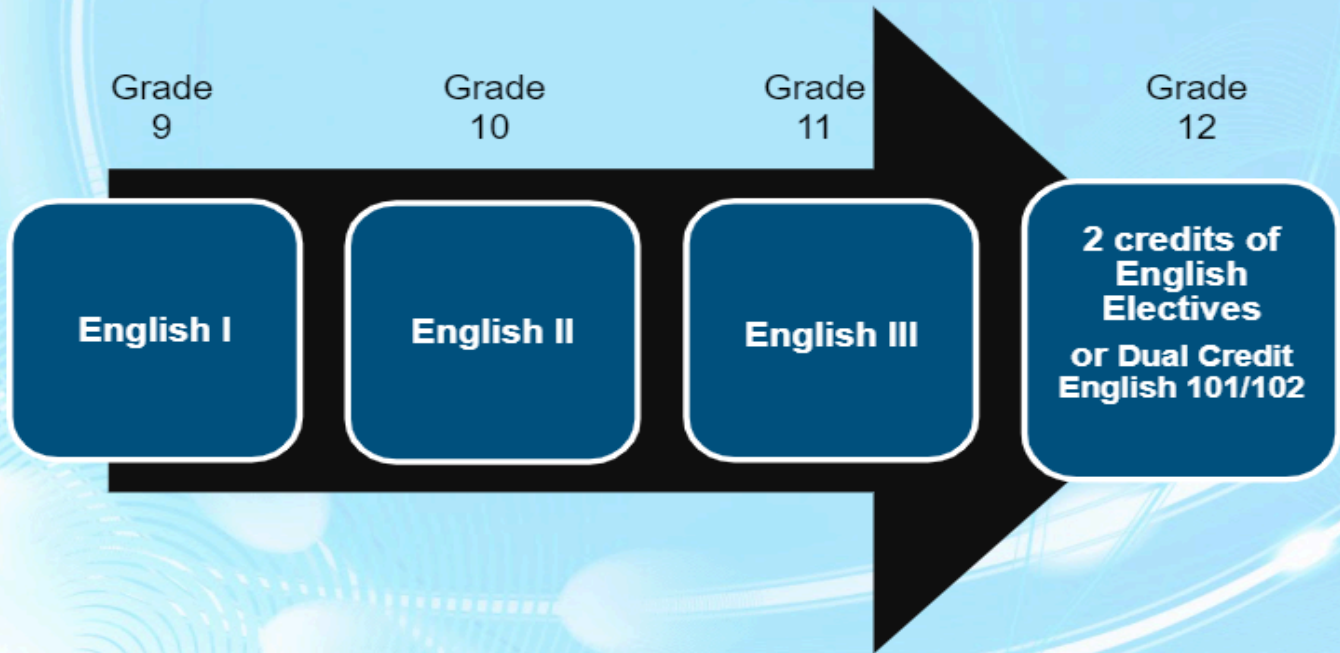
Prerequisite: 11th or 12th Grade. Satisfaction of placement criteria: ECC Placement Tests (Writing=55, Reading=95): OR SAT Test (Reading & Writing=480); OR ACT Test (English=19 and Reading=19). Other: Grade of C or better in SPN 201; three years of H.S. Spanish with a grade of C or better; three semesters of Spanish in college with a grade of C or better; or placement.

Course begins with brief SPN 201 grammar review. Additional activities focus on studying and applying increasingly complex grammatical concepts and vocabulary. Supplementary intermediate level material may be read, listened to or watched in class or as outside assignments.

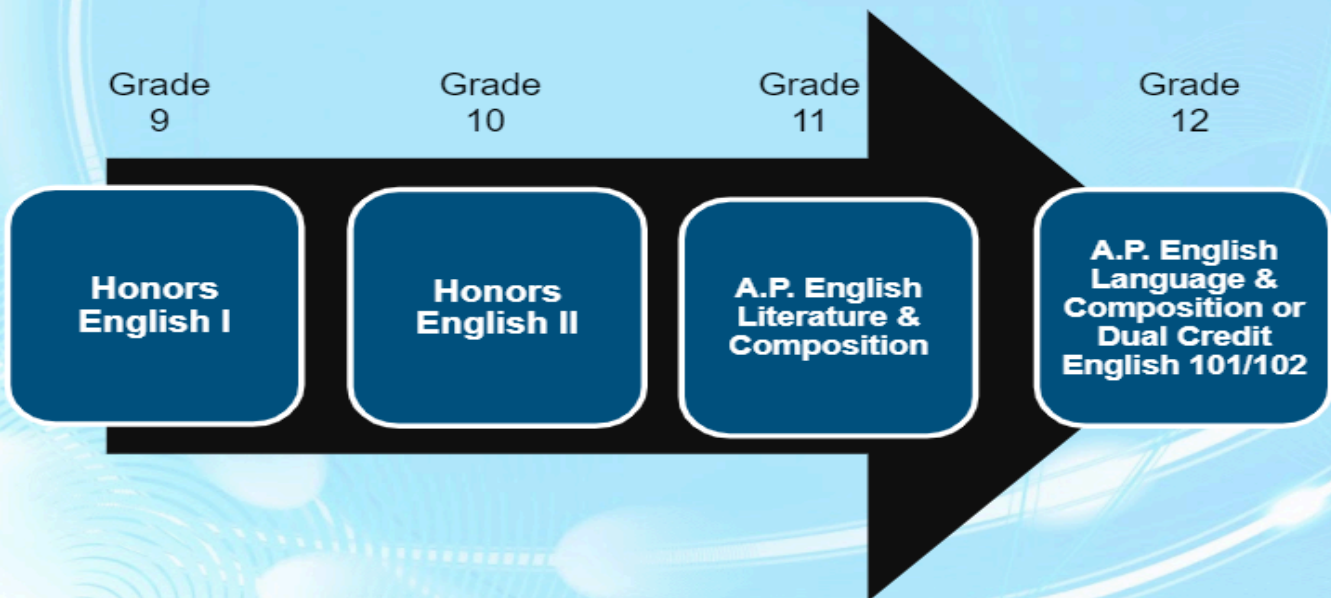
College Credit Hours: 4 Credit Hours

English

COLLEGE/CAREER COURSE FLOW



HONORS / AP COURSE FLOW



English

4000/4001 English 1

Year

Prerequisites: 9th

This course emphasizes a blend of reading and writing to refine and develop skills necessary for success in future English classes and college. Students will develop more advanced reading skills while studying fiction, nonfiction, informational texts, and poetry. Additionally, students will also focus on the writing process which emphasizes multiple drafts and an exploration of essential rhetorical modes. ***NCAA approved course**



4000BL English 1 Blended

Year

1.0 Credit

Prerequisites: 9th

This is the same course as English 1 but offered in a blended teacher model. For more information about the blended model of instruction, please [click here](#).

This course emphasizes a blend of reading and writing to refine and develop skills necessary for success in future English classes and college. Students will develop more advanced reading skills while studying fiction, nonfiction, informational texts, and poetry. Additionally, students will also focus on the writing process which emphasizes multiple drafts and an exploration of essential rhetorical modes. ***NCAA approved course**

4012/4013 Honors English 1

Weighted grade

Year

1.0 Credit

Prerequisites: 9th grade, test scores, and teacher recommendation

This class, designed for students entering the Honors English program at CHS, is a survey course over units involving literature, vocabulary, composition, research, and speech. While analyzing varying genres and thematic relationships, students study poetry, fiction, nonfiction, drama, and legends / mythology. Units of study require in-depth analysis, evaluation, and critical thinking. This is a rigorous course in reading and writing; therefore, engagement and participation in class discussion is key to being successful. This course requires summer work. ***NCAA approved course**

4020/4021 English 2

Year

1.0 Credit

Prerequisites: 10th grade

This course focuses on comprehending and analyzing a wide variety of prose and poetry written throughout American history. Students will reflect on, discuss, and examine the effects of complex literary devices and writing techniques. Additionally, students will respond to the varying literature excerpts through extended essays, reader responses, narratives, and research essays.. ***NCAA approved course**

4020BL English 2 Blended

Year

1.0 Credit

Prerequisites: 10th grade

This is the same course as English 2 but offered in a blended teacher model. For more information about the blended model of instruction, please [click here](#).

This course focuses on comprehending and analyzing a wide variety of prose and poetry written throughout American history. Students will reflect on, discuss, and examine the effects of complex literary devices and writing techniques. Additionally, students will respond to the varying literature excerpts through extended essays, reader responses, narratives, and research essays. ***NCAA approved course**

4022/4023 Honors English 2 Weighted grade **Year** **1.0 Credit**

Prerequisites: 10th grade, test scores, and teacher recommendation

This is the same course as Honors English 2 but offered in a blended teacher model. For more information about the blended model of instruction, please [click here](#).

This course covers the literature written in the United States from the Colonial Period to the present. A focus is placed on the content, background, and authors of a wide variety of prose and poetry. Students will study the literary periods and the historical development of American literature. Students will write extensively, including research, argument, literary analysis, and reading responses. In addition, students will create original projects and speak informatively. **This course requires summer work. *NCAA approved course**

4022/4023BL Honors English 2 Blended Weighted grade **Year** **1.0 Credit**

Prerequisites: 10th grade, test scores, and teacher recommendation

This course covers the literature written in the United States from the Colonial Period to the present. A focus is placed on the content, background, and authors of a wide variety of prose and poetry. Students will study the literary periods and the historical development of American literature. Students will write extensively, including research, argument, literary analysis, and reading responses. In addition, students will create original projects and speak informatively. **This course requires summer work. *NCAA approved course**

4028/4029 English 3 **Year** **1.0 Credit**

Prerequisites: 11th grade

This year long course is designed to prepare students for both academic and professional writing, in addition to public speaking. Students will also examine literature using both fiction and nonfiction texts. Emphasis will be placed on determining the correct voice, tone, formality, and genre for each situation. ***NCAA approved course**

4040/4041 AP English Literature & Composition Weighted grade **Year** **1.0 Credit**

Prerequisites: 11th grade and Honors English 2 or instructor approval

Combines English Literature and expository writing. Emphasis is on analysis and interpretation of individual literary works. Stresses the process of writing essays. This course is required for AP English Language & Composition. **This course requires summer work. *NCAA approved course**

4038 Contemporary Literature **Semester** **0.5 Credits**

Prerequisites: 11th - 12th grade

This course is a survey of post-modern literature with an emphasis on discussion and argument. Focuses on the global and multicultural nature of contemporary society through various styles and genres: poems, essays, short stories, plays, and novels. ***NCAA approved course**

4038BL Contemporary Literature Blended **Semester** **0.5 Credits**

Prerequisites: 11th - 12th grade

This is the same course as Contemporary Literature but is offered in a blended teaching model. For more information about the blended model of instruction, please [click here](#).

This course is a survey of post-modern literature with an emphasis on discussion and argument. Focuses on the global and multicultural nature of contemporary society through various styles and genres: poems, essays, short stories, plays, and novels. ***NCAA approved course**

4105BL Science Fiction/Fantasy Literature-Blended Semester 0.5 Credits

Prerequisites: 11th - 12th grade

This is the same course as science fiction, but is offered in a blended teaching model. For more information about the blended model of instruction, please [click here](#). Students explore the genres of science fiction and fantasy. Readings will include short stories, nonfiction, and current events. Critical thinking, reading, writing, and research skills are required.

***NCAA approved course**

*****Dual Credit Options*****

9555IH ENG 101: English Composition I Semester 0.5 Credit

Prerequisite: 11-12th Grade. Satisfaction of placement criteria: ECC Placement Tests (Writing=55 and Reading=95); OR PSAT/SAT Test (Reading & Writing=480); OR ACT Test (English=19 and Reading=19).

The goal of ENG 101 is for students to become better readers, writers, and thinkers. Students will read a variety of essays that will serve as models for the expressive, expository, and persuasive essays of their own. Students will not only improve their grammar skills, but will also learn how to read closely, write clearly, and think critically. The course provides students with 1.0 unit of high school English credit.

College Credit Hours: 3 Credit Hours

9556IH ENG 102: English Composition II Semester 0.5 Credit

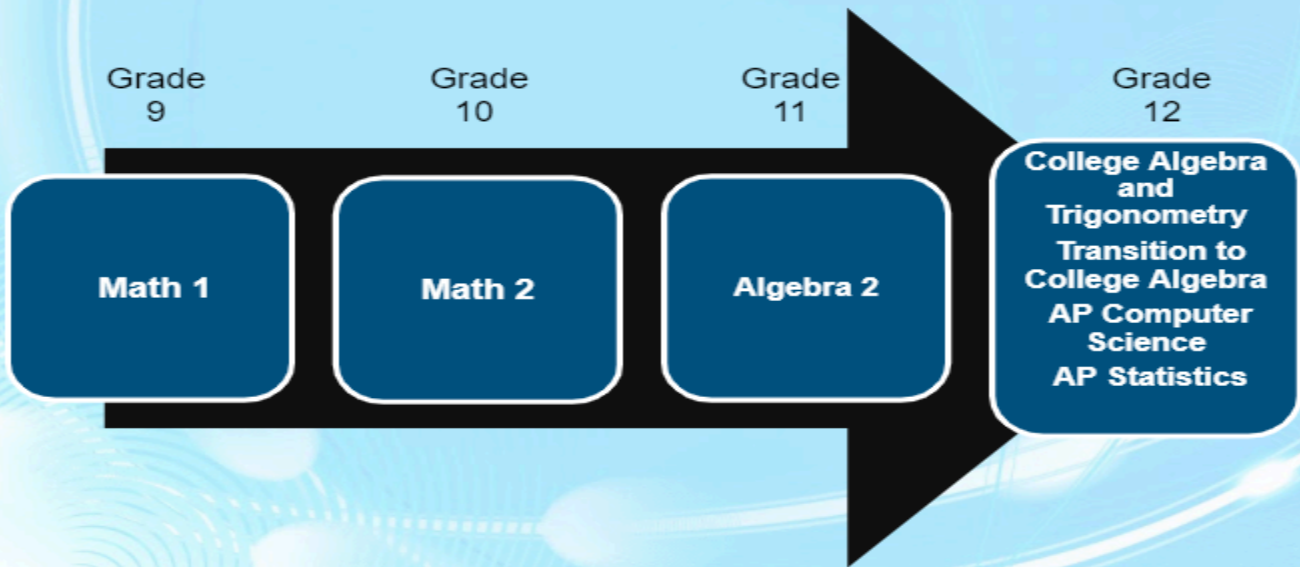
Prerequisite: 11-12th Grade. Grade of C or better in ENG 101 or placement through AP or CLEP exam. - Must be completed prior to taking this course.

Second semester of one-year course normally required by all universities and colleges. Emphasis on achieving logic and precision in handling such extensive compositions as the research paper and persuasive and critical themes based on literature or other academic disciplines. The course provides students with 1.0 unit of high school English credit.

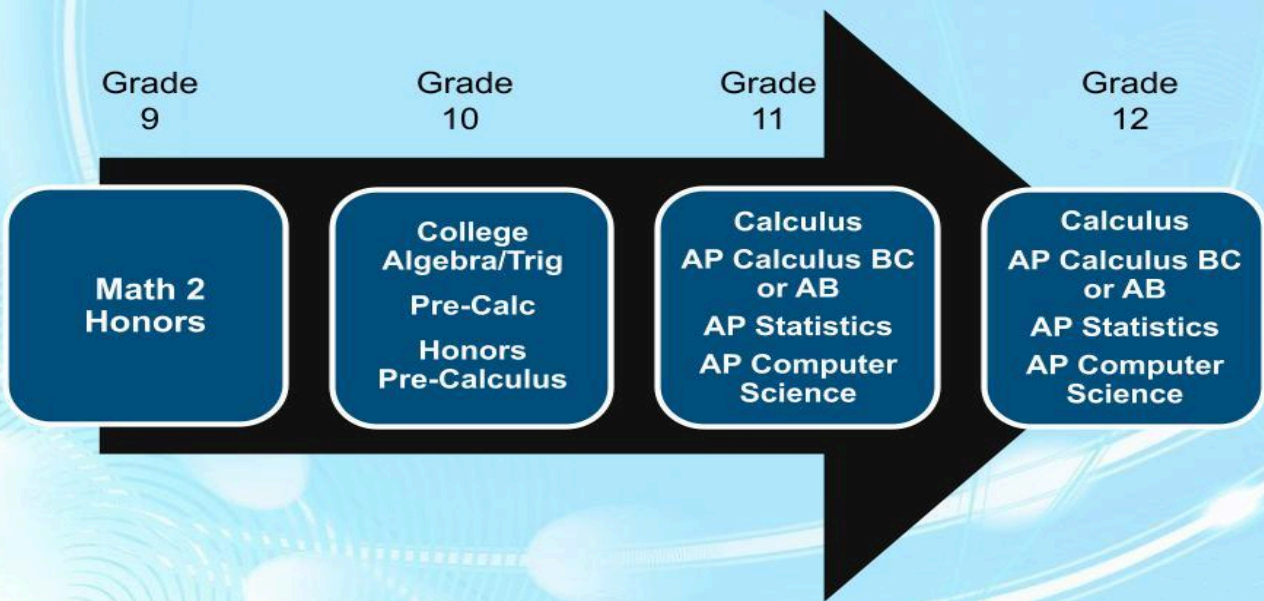
College Credit Hours: 3 Credit Hours

Mathematics

COLLEGE/CAREER COURSE FLOW



HONORS / AP COURSE FLOW



5075/5076 Honors Pre-Calculus Weighted Grade **Year** **1.0 Credit**

Prerequisites: 10th - 12th grade and an A in Accelerated Algebra 2

Honors Pre-Calculus is designed to prepare the student for successful completion of AP Calculus BC. This course will cover all topics of Precalculus with the addition of the following topics: limits and continuity. ****NCAA approved course***

5077/5078 Pre-Calculus **Year** **1.0 Credit**

Prerequisites: 10th - 12th grade and B or better in Accelerated Algebra 2 or College Algebra

Pre-Calculus combines the study of Trigonometry, Elementary Functions, Analytical Geometry, and Math Analysis topics as preparation for Calculus. Topics include the study of complex numbers, polynomial, logarithmic, exponential, rational, right trigonometric and circular functions, and their relations, inverses and graphs, solutions of right and oblique triangles, vectors, the polar coordinate system, conic sections, matrix algebra, sequences, and series. ****NCAA approved course***

5080 College Algebra **Semester** **0.5 Credits**

Prerequisites: 10th - 12th grade, successful completion of Math 2 and B or better in Algebra 2

College Algebra extends algebraic concepts for students who have already taken Algebra 2. Course topics include (but are not limited to) operations with rational and irrational expressions, factoring of rational expressions, linear equations and inequalities, quadratic equations, solving systems of linear and quadratic equations, properties of higher degree equations, complex number system, logarithmic functions and operations with rational and irrational exponents. ****NCAA approved course***

5085 Probability & Statistics **Semester** **0.5 Credits**

Prerequisites: 11th - 12th grade, successful completion of Algebra 2

Probability & Statistics is an introductory statistics course. Topics will include exploring data, numerical and graphical summaries, correlation, association, linear regression, data collection, experimental design and formal probability. ****NCAA approved course***

5094/5095 Transition to College Algebra **Year** **1.0 Credit**

Prerequisites: 12th grade and successful completion of Math 2 & C or better in Algebra 2

The *Transition to STEM (College Algebra)* course is for students with career goals that require advanced algebraic skills. Successful completion of the course guarantees student placement into College Algebra or its equivalent at any Illinois community college and select universities. The main emphasis of the course is the understanding of functions (linear, polynomial, rational, radical, and exponential) and how they naturally arise through problem solving and authentic modeling situations. Essential algebraic topics include simplifying expressions, solving equations, and graphing functions, which will be explored deeply, allowing students to address any deficits. ****NCAA approved course***

5097/5098 Calculus **Year** **1.0 Credit**

Prerequisites: 11th - 12th grade and successful completion of Pre-Calculus

Calculus includes the study of limits, differentiation, integration, and their applications. ****NCAA approved course***

5100/5101 AP Calculus AB Weighted Grade **Year** **1.0 Credit**

Prerequisites: 11th - 12th grade and earn an 85% or higher in Pre-Calculus

This course yields a weighted grade. Following the College Board's suggested curriculum, this course is designed to parallel college-level calculus courses. AP Calculus AB provides students with an intuitive understanding of concepts of calculus and experience with its methods and applications. Topics in this course include the following and are presented in a time frame that will allow the students to take the AP exam in early May: limits, continuity, differential and integral calculus and their applications. ****NCAA approved course***

5105/5106 AP Statistics Weighted Grade **Year** **1.0 Credit**

Prerequisites: 11th - 12th grade and B or better in Accelerated Algebra 2 or College Algebra

This course yields a weighted grade. Following the College Board's suggested curriculum, this course is designed to parallel college-level statistics courses. AP Statistics includes the following topics and are presented in a time frame that will allow the students to take the AP exam in early May: An introduction to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. ****NCAA approved course***

5110/5111 AP Calculus BC Weighted Grade **Year** **1.0 Credit**

Prerequisites: 11th - 12th grade and successful completion of Honors Pre-Calculus

This course yields a weighted grade. Following the College Board's suggested curriculum, this course is designed to parallel college-level calculus courses. AP Calculus BC provides students with an intuitive understanding of concepts of calculus and experience with its methods and applications, and also requires additional knowledge of the theoretical tools of calculus. Topics of the course include the topics covered in AP Calculus AB as well as the following topics: vector functions, parametric equations and polar coordinates, rigorous definitions of finite and non-existent limits, derivatives of vector functions and parametrically defined functions, advanced techniques of integration and advanced applications of the definite integral, sequences, and series. The topics are presented in a time frame that will allow the student to take the AP exam in early May. ****NCAA approved course***

1115 AP Computer Science Weighted Grade **Year** **1.0 Credit**

Prerequisites: 11th - 12th grade (Algebra 2 and Computer Programming recommended)

Advanced Placement Computer Science is a rigorous, college-level course designed to prepare students for the AP[®] Computer Science A examination using the Java programming language. This course emphasizes object oriented programming methodology with a concentration on problem solving and algorithm development. It also includes the study of data structures, design, and abstraction. Many topics in this course are mathematically intensive and require a firm understanding of algebraic concepts and experience in problem solving. Students should be comfortable with functions and the concepts found in the uses of functional notation, such as $f(x) = x + 2$ and $f(x) = g(h(x))$. This course builds upon a foundation of mathematical reasoning that should be acquired before attempting this course. Documentation plays a central role in the programming methodology. ****NCAA approved course***

Wellness: Health/Driver's Education/PE

Wellness Department- 12th Grade

PE 11/12 Boys
PE 11/12 Girls

Cardiovascular
Wellness

Group Fitness

Advanced
Weight Training

Individual
Personal Training

Individualized
Fitness
Programming
(dual credit)

Advanced
Health

Advanced
Health- Blended
(if passed Health 1)

Wellness Department- 11th Grade

PE 11/12 Boys
PE 11/12 Girls

Cardiovascular
Wellness

Group Fitness

Fundamentals
of Weight
Training

Advanced
Weight Training

Individual
Personal Training

Individualized
Fitness
Programming
(dual credit)

Advanced
Health

Advanced
Health- Blended
(if passed Health 1)

Wellness Department- 10th Grade

PE 10
CO-ED

Cardiovascular
Wellness

Group Fitness

Fundamentals
of Weight
Training

Advanced
Weight
Training

Driver Education
(must have a 2.0
GPA and be 15 yrs.
old before the 1st
day of class)

Wellness Department- 9th Grade

Health 1

Blended
Health 1

PE 9
CO-ED

Driver
Education
(must have a 2.0
GPA and be 15 yrs.
old before the 1st
day of class)

Wellness



6012 Physical Education 9 Co-Ed Semester 0.5 Credits

Prerequisites: 9th grade

The freshman Physical Education class is a one-semester class that is designed to introduce students to individual fitness and the beginning of lifetime fitness. Students will learn basic concepts of fitness and wellness that will be expanded in later Physical Education classes. Using their personal results as guidelines determined from utilizing Fitnessgram data they will integrate their personal goals into short-term and long-term fitness goals. This class is baseline for which students will choose progression of their class choices throughout their high school career.

6017/6018 Physical Education 10 Co-Ed Semester 0.5 Credits

Prerequisites: 10th grade

This course will provide a wide variety of experiences that will enable students to develop a positive attitude toward health-enhancing physical activities throughout their lifetime. It will expose sophomores to various team and individual sports. Students will possess the skills to choose activities that will enhance personal fitness and lifelong wellness and the skills necessary to develop personal fitness programs to meet specific needs. Students will understand that an acceptable level of the health-related components of physical fitness is recognized as a key element of a healthy lifestyle. The Fitnessgram fitness assessment will be administered as well to document student progress. *Course may be repeated during the sophomore year.*

6030/6031 Physical Education 11/12 Boys Semester 0.5 Credits

Prerequisites: 11th - 12th grade

Instruction, practice, and participating are provided in a non-coed setting in a variety of lifetime sports and physical education activities. It is imperative that students are made aware of and encouraged to participate in regular physical activity. This class is designed to be a building block for a future of physically active adults. This course will cover the basic components of fitness which includes: cardiovascular health; muscular strength and endurance; flexibility; body composition and stress management. Activities include but are not limited to, individual sports, dual sports and team sports. The students learn proper methods, strategies, safety precautions and physical benefits associated with each health related fitness component. The Fitnessgram assessment will be administered as well. *Course may be repeated.*

6035/6036 Physical Education 11/12 Girls Semester 0.5 Credits

Prerequisites: 11th - 12th grade

Instruction, practice, and participating are provided in a non-coed setting in a variety of lifetime sports and physical education activities. It is imperative that students are made aware of and encouraged to participate in regular physical activity. This class is designed to be a building block for a future of physically active adults. This course will cover the basic components of fitness which includes: cardiovascular health; muscular strength and endurance; flexibility; body composition and stress management. Activities include but are not limited to, individual sports, dual sports and team sports. The students learn proper methods, strategies, safety precautions and physical benefits associated with each health related fitness component. The Fitnessgram assessment will be administered as well. *Course may be repeated.*

6060 **Health 1** **GRAD REQ** **Semester** **0.5 Credits**

Prerequisites: 9th grade

Covers attitudes and practices related to healthy living. Units include wellness and choices, CPR/AED training nutrition, leading causes of death, tobacco, alcohol, drugs, pregnancy and sexuality . Taken in lieu of one semester of P.E. in the freshman year.

6060BL **Health 1 Blended** **GRAD REQ** **Semester** **0.5 Credits**

Prerequisites: 9th grade

This is the same course as Health 1 (and does fulfill the graduation requirement) but is offered in a blended teaching model. For more information about the blended model of instruction, please [click here](#).

Covers attitudes and practices related to healthy living. Units include wellness and choices, CPR/AED training nutrition, leading causes of death, tobacco, alcohol, drugs, pregnancy and sexuality. Taken in lieu of one semester of P.E. in the freshman year.

6061 **Advanced Health** **Semester** **0.5 Credits**

Prerequisites: 11th - 12th grade, successful completion of Health 1

Fee: \$15.00

Advanced health is designed to provoke thought, knowledge, and understanding of global, cultural, community, family, and individual health. Students will participate in many discussions, self-reflections, outside activities, and projects that facilitate positive individual growth. Some topics to be covered in class include, but are not limited to: nutrition, prevention, stress/mental and emotional health, death/dying/loss, alternative medicines, world contemporary health issues, health careers, and First Aid/CPR/AED certification training. The teacher, students, and current health issues will all have input on what is covered in class.. **Note: Counts as elective credit, not credit towards state 4 year PE requirement.**

6061BL **Advanced Health-Blended** **Semester** **0.5 Credits**

Prerequisites: 11th - 12th grade, successful completion of Health 1

Fee: \$15.00

This is the same course as Advanced Health but is offered in a blended teaching model. For more information about the blended model of instruction, please [click here](#). Advanced health is designed to provoke thought, knowledge, and understanding of global, cultural, community, family, and individual health. Students will participate in many discussions, self-reflections, outside activities, and projects that facilitate positive individual growth. Some topics to be covered in class include, but are not limited to: nutrition, prevention, stress/mental and emotional health, death/dying/loss, alternative medicines, world contemporary health issues, health careers, and First Aid/CPR/AED certification training. The teacher, students, and current health issues all have input on what is covered in class. **Note: Counts as elective credits, not credit towards state 4 year PE requirement.**

6003/6004 **Cardiovascular Wellness** **Semester** **0.5 Credits**

Prerequisites: 10th - 12th grade

This is a cardiovascular program designed to be conducted both indoor and outdoor in multiple spaces. Students will develop comprehensive knowledge of cardiovascular fitness through experiences that will include, but are not limited to, the following: walking/jogging for speed, distance, with resistance, on inclines or on stairs, circuit training, tabata's and more. *Course may be repeated.*

6005/6006 **Fundamentals of Weight Training** **Semester** **0.5 Credits**

Prerequisites: 10th - 12th grade

Fundamentals of weight training. The purpose of this course is to provide students with an opportunity to acquire basic knowledge and skills in weight training that may be used in physical fitness pursuits today as well as in later life, improve muscular strength and endurance, and enhance body image. Students will benefit from a comprehensive resistance training program/workout by the instructor. Students will also demonstrate proper spotting techniques for all lifts and exercises which require spotting. Evaluation of risk and safety factors that may affect participation in weight training and fitness throughout a lifetime is included.

6007/6008 **Advanced Weight Training** **Semester** **0.5 Credits**

Prerequisites: 10th - 12th grade and successful completion of Fundamentals of Weight Training

This course is designed as an introduction to periodization training. Students will be utilizing machines and free weights (barbells, dumbbells, fixed barbells, ect.). Students will be given the opportunity to extend the acquisition of knowledge and development, introduced in Fundamentals of Weight Training, that may be used in physical fitness pursuits today as well as in later life, further improve strength, endurance and further enhance body image. The students will be working with a predetermined choice of lifts and periodization within instructor prescribed guidelines to reach personal goals.

Course may be repeated.

6027/6028 **Group Fitness** **Semester** **0.5 Credits**

Prerequisites: 10th - 12th grade and successful completion of Fundamentals of Weight Training

This course will expose students to a variety of workouts to be applied throughout their life. It will increase their depth of knowledge of the F.I.T.T. principle/recovery, agility, stabilization and balance, flexibility, plyometric training, athletic movements, high intensity interval training, and bodyweight routines. The five components of fitness will be integrated in the group/individual activities. *Course may be repeated.*

6082/6083 **Individual Personal Training** **Semester** **0.5 Credits**

Prerequisites: 11th - 12th grade and successful completion of Fundamentals of Weight Training and Advanced Weight Training

This course is designed for students to create their own individual workout goals. Units include: Parts of a workout, types of workouts, and designing workouts to meet individual fitness goals. This course also gives students the opportunity to increase their knowledge of fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and designing their own workouts. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime. *Course may be repeated.*

9550IH **Individualized Fitness Programming (Dual Credit)** **Semester** **0.5 Credits
1 Credit (ECC)**

Prerequisites: 11th - 12th grade and successful completion of Fundamentals of Weight Training and Advanced Weight Training

Through this semester long course the student has the opportunity to work one on one with a personal trainer. This course will focus on the personal trainer/client relationship from the pre-screening process through the individual exercise design and progression. Course may count for ECC's PHC111, however students should always check with their potential colleges first. This course may not meet everyday, much like the blended high school model.



6050/6051 Driver's Education

Semester

0.5 Credits

**Prerequisites: 9th- 12th grade, 2.0 GPA (cumulative or previous semester) and 15 years of age prior to the first day of class.
Fee: \$250.00**

Prepares students to take the Illinois State Driver's Exam. Units include automobiles, maintenance, effects of alcohol and drugs on driver's reactions, city, highway, and expressway driving, Rules of the Road, safety, and maneuvers. **Note: Counts as elective credit, not credit towards state 4 year PE requirement.**

Science

HONORS / AP COURSE FLOW

Grade 9

Honors
Molecular
Biology

Grade 10

Honors
Chemistry

Grade 11

Physics
AP Biology AP
Chemistry AP
AP Physics 1
AP Enviro Sci.

Grade 12

Physics
AP Biology AP
Chemistry AP
Physics 1
AP Enviro Sci.
Dual Credit Bio

COLLEGE/CAREER COURSE FLOW

Grade 9

Molecular
Biology

Grade 10

Chemistry or
Honors
Chemistry

Grade 11

Physics
AP Physics
AP Biology
AP Chemistry
AP Enviro Sci.

Grade 12

Physics
AP Physics
AP Biology
AP Chemistry
AP Enviro Sci.
Dual Credit Bio

COLLEGE/CAREER COURSE FLOW

Grade 9

Molecular
Biology

Grade 10

Ag. Classes
Enviro
Sci./Earth
Sci. or
Astronomy

Grade 11

Chemistry
Or
Physics

Grade 12

Chemistry
Or
Physics
Or
Dual Credit Bio

Science



7005 Earth Science Semester 0.5 Credits

Prerequisites: 9th - 12th grade

Earth Science is a semester long course which will provide students with an understanding of Earth's influence on you and your influence on the Earth. Students will understand the fundamental concepts of Earth's many systems, know how to find and assess scientifically credible information about Earth, communicate about Earth science in a meaningful way, and will be able to make informed and responsible decisions regarding Earth and its resources. ****NCAA approved course***

7015 Astronomy Semester 0.5 Credits

Prerequisites: 10th - 12th grade and successful completion of Algebra 1

Astronomy is a semester-long class that meets everyday. It will provide students with an understanding of the history of astronomy, the nature of light, telescopes, the solar system, stellar evolution, the origin of the universe, and space exploration. Students will complete basic physics, math concepts, and analysis of numerical data. Students may be required to make night time observations. ****NCAA approved course***

7029 Environmental Science Semester 0.5 Credits

Prerequisites: 9th - 12th grade; Earth Science background is recommended

This is an interdisciplinary course, which provides students with the scientific principles and concepts necessary to understand the natural world, identify environmental problems, and examine alternative solutions. This course will explore the Earth by studying alternative energy, resource use, and management and sustainability. ****NCAA approved course***

7036/7037 AP Environmental Science Weighted Grade Year 1.0 Credit

Prerequisites: 11th - 12th grade and 2 years of a lab science

This course is designed to be the equivalent of a one-semester, introductory level college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics of geology, biology, environmental studies, environmental science, chemistry, and geography. **This is a lab science course. **NCAA approved course***

7021/7022 Honors Molecular Biology Weighted Grade **Year** **1.0 Credit**

Prerequisites: 9th grade, test scores, and teacher recommendation

Fee: \$7.50 per semester

A study of life and life processes from a biochemical perspective. Topics of study include scientific inquiry, biochemistry, cell structure and function, energy, genetics, evolution, and ecology. This class requires mastery and application of skills acquired throughout both semesters providing a comprehensive view of topics relevant to biological study today. This course places greater emphasis on reading scientific research, scientific inquiry laboratory investigations, critical thinking and mathematical analysis of experimental data than Molecular Biology (Course 7025). **This is a lab science course.**

***NCAA approved course**

7025/7026 Molecular Biology **Year** **1.0 Credit**

Prerequisites: 9th - 10th grade

Fee: \$7.50 per semester

A study of life and life processes from a biochemical perspective. Topics of study include scientific inquiry, biochemistry, cell structure and function, energy, genetics, evolution, and ecology. This introductory science course promotes mastery and application of skills acquired throughout both semesters providing a comprehensive view of topics relevant to biological study today. **This is a lab science course. *NCAA approved course**

7032/7033 AP Biology Weighted Grade **Year** **1.0 Credit**

Prerequisites: 11th - 12th grade and B or better in both Molecular Biology and Chemistry

Fee: \$7.50 per semester

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. **This is a lab science course. This course requires summer work. *NCAA approved course**

7045/7046 Chemistry **Year** **1.0 Credit**

Prerequisites: 10th - 12th grade and C or better in both Molecular Biology and Algebra 1 or an A in both semesters of Biology and a C or better in both semesters of Algebra 1

Fee: \$7.50 per semester

Chemistry involves the study of atomic structure, the composition and properties of matter, and reactions of substances. Concepts such as chemical formulas and equations, chemical reactions (types, balancing, and stoichiometry), states of matter (including the Gas Laws), solutions, and acids and bases will be explored.. **This is a lab science course.**

***NCAA approved course**

7048BL/ Chemistry Blended **Year** **1.0 Credit**
7049BL

Prerequisites: 10th - 12th grade and C or better in both Molecular Biology and Algebra 1 or an A in both semesters of Biology and a C or better in both semesters of Algebra 1

Fee: \$7.50 per semester

This is the same course as Chemistry but is offered in a blended teaching model. For more information about the blended model of instruction, please [click here](#).

Chemistry involves the study of atomic structure, the composition and properties of matter, and reactions of substances. Concepts such as chemical formulas and equations, chemical reactions (types, balancing, and stoichiometry), states of matter (including the Gas Laws), solutions, and acids and bases will be explored.. **This is a lab science course.**

***NCAA approved course**

7002/7003 Honors Chemistry Weighted Grade **Year** **1.0 Credit**

Prerequisites: 10th - 12th grade and B or better in both semesters of Molecular Bio and Alg 1 **Fee: \$7.50 per semester**

Honors Chemistry is a physical science course open to sophomores, juniors, and seniors. Topics of the composition and properties of matter, atomic structure, chemical bonding and formulas, chemical reactions and equations, stoichiometry, states of matter (including Gas Laws), solutions, chemical equilibrium, and acids and bases will be explored. This class operates at an accelerated pace compared to Chemistry and will explore the content at a deeper level and as a result will have a weighted grade factoring into students' GPA. This class requires students to work faster and utilize higher reading and mathematical skills. **This is a lab science course. *NCAA approved course**

7050/7051 AP Chemistry Weighted Grade **Year** **1.0 Credit**

Prerequisites: 11th - 12th grade and B or better in both semesters of Accelerated Chemistry or A or better in both semesters of Chemistry with necessary lab work to be done prior to the first day of class. **Fee: \$7.50 per semester**

AP Chemistry is a second-year chemistry course open to juniors and seniors. This AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. For most students, the course enables them to undertake, as freshmen, second-year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. This course is structured around nine units articulated in the AP Chemistry curriculum framework provided by the College Board. A special emphasis will be placed on the seven science practices, which capture important aspects of the work that scientists engage in, with learning objectives that combine content with inquiry and reasoning skills. AP Chemistry is open to all students that have completed a year of chemistry who wish to take part in a rigorous and academically challenging course. It is recommended to take this course after completing an Honors Chemistry course. **This is a lab science course. This course requires summer work. *NCAA approved course**

7060/7061 Physics **Year** **1.0 Credit**

Prerequisites: 11th - 12th grade and Algebra 2 or concurrent in Algebra 2 **Fee: \$7.50 per semester**

A study of the relationship between matter and energy. Topics include the study of motion, Newton's Laws, motion in two dimensions, momentum, work, power, simple machines, energy, electricity, optics, sound, and modern topics such as high energy physics. **This is a lab science course. *NCAA approved course**

7068/7069 AP Physics 1 Weighted Grade **Year** **1.0 Credit**

Prerequisites: 11th - 12th grade and Algebra 2 or concurrent in Algebra 2 **Fee: \$7.50 per semester**

AP Physics 1 is designed to be equivalent to a first semester college physics course. The class is fast paced and covers the following topics: Kinematics, Dynamics Newton's laws, Circular motion, Universal law of gravitation, Simple harmonic motion, Impulse, Linear momentum, Collision, Work, Conservation of Energy, Rotational Motion, Torque, Electrostatics, DC circuits, Mechanical Waves, and Sound. **This is a lab science course. This course requires summer work. *NCAA approved course**

7065/7066 AP Physics 2 Weighted Grade **Year** **1.0 Credit**

Prerequisites: 12th grade and successful completion of AP Physics 1 **Fee: \$7.50 per semester**

This course is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. **This is a lab science course. This course requires summer work. *NCAA approved course**

*****Dual Credit Options*****

9557IH/9558IH BIO 108: Biology for Contemporary Society

1.0 Credit

Prerequisite 11th or 12th Grade. Satisfaction of placement criteria: ECC Placement Tests (Writing=55, Reading=95, Math=30); OR PSAT/SAT Test (Reading & Writing=480, Math=530); OR ACT Test (English=19, Reading=19, Math=22).

This course is designed to give non-science majors, who are not entering the health career path, an introduction to core concepts in biology that are highly relevant in today's society. Students will be introduced to the following biological principles: process of science, cell structure, basic chemistry, molecules of life, genetics, evolution, energy flow within ecosystems, and ecology.

College Credit Hours: 4 Credit Hours

Social Studies

HONORS / AP COURSE FLOW

Grade
9

**AP Human
Geography**

Grade
10

**AP United
States History**

Grade
11

**AP U.S.
Government
(SEMESTER)**

Grade
11-12

**AP
Psychology**

COLLEGE/CAREER COURSE FLOW

Grade
9

**Global
Studies**

Grade
10

US History

Grade
11

**US
Government**

Grade
11-12

**Psychology
Sociology
Economics
Social Dynamics
Criminal Law
USHPC
WORLD HPC**

Social Studies



8001/8003 Global Studies GRAD REQ **Year** **1.0 Credits**

Prerequisites: 9th grade

The primary objective of this course is to learn how people in different parts of the world live. Each unit will introduce a new region including Latin America, Europe, Russia, Asia, the Middle East, and Africa. Students will take a deeper look into that region's geography, history, and current events. They will study various aspects of the region's culture such as economy, government, and religion. This year long exploration will be done in a multitude of ways, such as: notes, discussion, readings, writings, self-exploration, kinesthetic activities, video and audio clips, power-points, etc. ****NCAA approved course***

8001BL/ Global Studies Blended **Year** **1.0 Credits**
8003BL

Prerequisites: 9th grade

This is the same course as Global Studies (and does fulfill the graduation requirement) but is offered in a blended teaching model. For more information about the blended model of instruction, please [click here](#)

The primary objective of this course is to learn how people in different parts of the world live. Each unit will introduce a new region including Latin America, Europe, Russia, Asia, the Middle East, and Africa. Students will take a deeper look into that region's geography, history, and current events. They will study various aspects of the region's culture such as [Social Studies](#) economy, government, and religion. This year long exploration will be done in a multitude of ways, such as: notes, discussion, readings, writings, self-exploration, kinesthetic activities, video and audio clips, power-points, etc. ****NCAA approved course***

8005/8006 AP Human Geography Weighted Grade **Year** **1.0 Credits**

Prerequisites: 9th grade, 8th grade teacher recommendation, and standardized test scores

The AP Human Geography course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. This fulfills the Global Studies graduation requirement. ****NCAA approved course***

8030/8031 United States History GRAD REQ **Year** **1.0 Credit**

Prerequisites: 10th grade

A survey of U.S. history from post World War I through contemporary times. The focus is on historical controversies that determined our history. Students do readings, research, and reports. ****NCAA approved course***

8030BL/ 8031BL	United States History Blended	FULFILLS GRAD REQ	Year	1.0 Credit
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Prerequisites: 10th grade

This is the same course as United States History (and does fulfill the graduation requirement) but is offered in a blended teaching model. For more information about the blended model of instruction, please [click here](#).

A survey of U.S. history from post World War I through contemporary times. The focus is on historical controversies that determined our history. Students do readings, research, and reports. ***NCAA approved course**

8037/8038	AP United States History	Weighted Grade	Year	1.0 Credit
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Prerequisites: 10th grade and a B or better in Global Studies or a C or better in AP Human Geography/Honors Modern World

Designed to provide students with the analytic skills and factual knowledge necessary to deal critically with problems and materials in U.S. History. A survey of United States History from pre-colonization to present. Equivalent to demands made by full-year introductory college course. **Fulfills the US History graduation requirement. Summer Work is required. *NCAA approved course**

8035	United States Historical Perspectives in Cinema	Semester	0.5 Credits
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Prerequisites: 11th - 12th grade and successful completion of United States History

A chronological journey of history through the use of cinema, in which students will analyze the historical accuracy and significance of the topics covered. Each movie will include a portfolio project or test and a written movie review. A fair amount of writing will be required for this class. Some of the movies covered: The Patriot (American Revolution), Dances With Wolves (Closing of the Frontier), Cinderella Man (the Great Depression), Thirteen Days (Cuban Missile Crisis), Black Hawk Down (Modern Warfare), The Insider (Legal Action vs. the tobacco industry), and World Trade Center (Sept. 11th).

8036	World Historical Perspectives in Cinema	Semester	0.5 Credits
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Prerequisites: 11th - 12th grade and successful completion of United States History

This course will provide a chronological and cultural journey of historical perspectives through the use of cinema. Students will analyze the historical accuracy and significance of the topics covered in each movie. Each movie will include a review and/or test. Some of the topics covered include Early Man and Civilization, Ancient Rome, The Crusades and Dark Ages, European Middle Ages, the Rise of Modern Japan World War 1, World War 2, Genocide and the effects of colonization, and Modern India and the Eastern World..

8040	American Government	GRAD REQ	Semester	0.5 Credits
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Prerequisites: 11th - 12th grade

Analyze government and political processes. America's system of interrelationships among national, state, and local levels are investigated. Students take the U.S. and Illinois Constitution Exams. ***NCAA approved course**

8041BL	American Government Blended	Semester	0.5 Credits
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Prerequisites: 11th - 12th grade

This is the same course as American Government (and does fulfill the graduation requirement) but is offered in a blended teaching model. For more information about the blended model of instruction, please [click here](#).

Analyze government and political processes. America's system of interrelationships among national, state, and local levels are investigated. Students take the U.S. and Illinois Constitution Exams. ***NCAA approved course**

8042 **AP US Government & Politics** Weighted Grade **Semester** **0.5 Credits**

Prerequisites: 11th - 12th grade and B or better in United States History or C or better in AP United States History

Students will analyze and interpret the government and political processes of the United States using theoretical perspectives. Equivalent to demands made by an introductory college course. **Fulfills the American Government graduation requirement. *NCAA approved course**

8045 **Sociology** **Semester** **0.5 Credits**

Prerequisites: 11th - 12th grade and C or better in United States History or instructor recommendation; 10th grade with instructor approval

This course focuses on human interrelationships, analysis of culture and social problems, leadership in American society, effects of poverty, formation of stereotypes, and social mobility are considered. ***NCAA approved course**

8050 **Psychology** **Semester** **0.5 Credits**

Prerequisites: 11th - 12th grade and C or better in United States History or instructor recommendation; 10th grade with instructor approval

Includes current trends and careers, especially sleep and dream analysis, motivation and emotions, theories of personality, psychological disorders, and treatments. ***NCAA approved course**

8050BL **Psychology Blended** **Semester** **0.5 Credits**

Prerequisites: 11th - 12th grade and C or better in United States History or instructor recommendation; 10th grade with instructor approval

This is the same course as Psychology but is offered in a blended teaching model. For more information about the blended model of instruction, please [click here](#).

Includes current trends and careers, especially sleep and dream analysis, motivation and emotions, theories of personality, psychological disorders, and treatments. ***NCAA approved course**

8051 **Psychology 2** **Semester** **0.5 Credits**

Prerequisites: 11th - 12th grade and a B or better in Psychology or instructor recommendation

Includes the areas of Biology & Behavior, Sensation & Perception, Learning, Memory, Thinking & Language, Intelligence, Psychological Tests, and Sports Psychology. ***NCAA approved course**

8070/8071 **AP Psychology** Weighted Grade **Year** **1.0 Credit**

Prerequisites: 11th - 12th grade and a B or better in both semesters of United States History or C or better in AP US History

The purpose of the course is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included will be a study of the major subfields of psychology: Body and Behavior, Altered States of Consciousness, Sensation and Perception, Learning, Memory, Thinking, Motivation, Personality, and Psychological Disorders. Students also learn about the ethics and methods psychologists use in their science and practice. ***NCAA approved course**

8055 **Sociological Dynamics of the Individual Family** **Semester** **0.5 Credits**

Prerequisites: 11th - 12th grade

Designed to assist individuals in achieving life satisfaction through responsible participation as adults in the home and community. Emphasizes realistic expectations of marriage, parenting, and family life, etc. ***NCAA approved course**

8065 Economics

Semester

0.5 Credits

Prerequisites: 11th - 12th grade

Introduces students to foundational economic concepts and helps them apply these ideas to their lives and the world to practice informed decision-making. The course includes engaging simulations, a stock market project, and debates. Topics include: resources, scarcity, economic systems, supply and demand, buying behavior, business and government practices, current events, political influences, and choices. Fulfills the Consumer Education graduation requirement.

***NCAA approved course**

8080 Criminal Law

Semester

0.5 Credits

Prerequisites: 11th - 12th grade

This course provides an overview of the structure and applications of criminal law and the judicial systems of the U.S. and Illinois. Units of study focus on citizens' rights, criminology, law enforcement, criminal trials, sentencing and corrections, and special case law. Students examine crime, participate in a mock trial, take notes, debate, complete projects, and hear from guest speakers working in the criminal justice field. ***NCAA approved course**